

STN +
Author

Structure attributes must be viewed using STN Express query preparation.

>> s ll ful
FULL SEARCH INITIATED 10:24:00 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 21,000,000 TO ITERATE

< 10.7 PROJECTED 16487 ITERATIONS 138 ANSWERS
< 11.9 PROJECTED 21000 ITERATIONS 111 ANSWERS
< 27.71 PROJECTED 27714 ITERATIONS 41 ANSWERS
< 30.7 PROJECTED 30000 ITERATIONS 11 ANSWERS
< 31.6 PROJECTED 31600 ITERATIONS 11 ANSWERS
< 40.0 PROJECTED 40000 ITERATIONS 500 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 01.02.10

FULL FILE PROJECTIONS: ONLINE **INCOMPLETE**
BATCH **INCOMPLETE**
PROJECTED ITERATIONS: EXCEEDS 1000000
PROJECTED ANSWERS: EXCEEDS 8618

L1 C1 SPA SSP FUL L1

as
Preparing C1-SSP-ful.l1

13 STRUCTURE THRUFILE

>> d
13 HAS NO ANSWERS
13 STR

 Aa 3
 H 4
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 Cb 4
 H
 O G1
Cb 6 N
 G2
 G1
 H
 Hx5
G1 [01], [02], [03], [04]
G2 [05], [06]

Structure attributes must be viewed using STN Express query preparation.

1. The first part of the document is a letter from the President of the United States to the Congress, dated January 1, 1861. It is a very important document, as it sets out the President's policy for the new year. The letter is written in a very formal and dignified style, and it is one of the most important documents in the history of the United States.

2. The second part of the document is a letter from the President of the United States to the Congress, dated January 1, 1861. It is a very important document, as it sets out the President's policy for the new year. The letter is written in a very formal and dignified style, and it is one of the most important documents in the history of the United States.

CP FILE REGISTRY

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

FULL ESTIMATED COST

ENTRY
0.00

SESSION
284.20

FILE 'REGISTRY' ENTERED AT 10:28:01 ON 27 AUG 2002
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
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STRUCTURE FILE UPDATES: 15 AUG 2002 HIGHEST EN 444874-82-2
DICTIONARY FILE UPDATES: 15 AUG 2002 HIGHEST EN 444874-82-2

TSCA INFORMATION NOW CURRENT THROUGH MAY 20, 2012

Please note that search-term pricing does apply when
conducting SMARTSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Calculated physical property data is now available. See HELP PROPERTIES
for more information. See STNote 27, Searching Properties in the CAS
Registry File, for complete details:
<http://www.cas.org/CALLINE/STN/STNOTES/stnote27.pdf>

SET THRMSEL

SET COMMAND COMPLETED

=> DEL SEL Y

=> SEL L4 1 RN

E1 THROUGH E1 ASSIGNED

=> S E1/RN

LF 1 22293-11-4/RN

=> SET THRMSEL LOGIN

SET COMMAND COMPLETED

=> FILE CAPIUS

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

FULL ESTIMATED COST

ENTRY
0.46

SESSION
284.71

FILE 'CAPIUS' ENTERED AT 10:28:06 ON 27 AUG 2002
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FILE COVERS 1-3 - 27 Aug 2002 VOL 137 ISS 9
FILE LAST UPDATED: 25 Aug 2002 (20020-15/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

CAS roles have been modified effective December 16, 2001. Please check your SRI profiles to see if they need to be revised. For information on CAS roles, enter HELP ROLES at an arrow prompt or use the CAS Roles thesaurus (URL field) in this file.

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22293-11-4

Page 1 of 1
Date: 10/10/2019
Time: 10:10:10
User: admin

=> a his

(FILE 'HOME' ENTERED AT 10:22:53 ON 27 AUG 2002)

FILE 'REGISTRY' ENTERED AT 10:23:37 ON 27 AUG 2002

L1 STRUCTURE UPLOADED

L2 1 S L1 FUL

L3 STRUCTURE UPLOADED

L4 1 S L3 FUL

FILE 'REGISTRY' ENTERED AT 10:28:01 ON 27 AUG 2002

SET TERMSET E#

DEL SEL Y

SEL L4 1 RN

L5 1 S E1/RN

SET TERMSET LOGIN

FILE 'CAPLUS' ENTERED AT 10:28:06 ON 27 AUG 2002

L6 3 S L5

=> s 12 ful

L7 1 S L6

=> s process.

L8 28156 1 PROCESS?

=> s 18 and 17

L9 12 L6 AND L7

=> s oxidiz?

L10 346240 OXIDIZ?

=> s 19 and 18

L11 0 L9 AND L10

=> s 19 not 15

3 L5

L12 12 L9 NOT L5

=> s 19 not 14

3 L4

L13 12 L9 NOT L4

=> d 19 1-12 krip aps hitstr

[illegible]

[illegible]

1. Compensation

NAME: WILLIAM J. WATSON DOB: 12/15/1925
 ALB: 120 HEIGHT: 5'10"
 HT: 160 CM WEIGHT: 160 LB
 HAIR: BROWN
 EYES: BROWN
 OCCUPATION: RESEARCHER
 EDUCATION: PH.D.
 ADDRESS: 1000 N. 10TH ST.
CHICAGO, ILL.
 EMPLOYER: UNIVERSITY OF CHICAGO
 EMPLOYMENT ADDRESS: 5700 S. UNIVERSITY AVE.
CHICAGO, ILL.
 PATENT AGENCIES: SEE LIST
 AGENCIES: SEE LIST
 TELEPHONE: 353-1234
 MAILING ADDRESS: 1000 N. 10TH ST.
CHICAGO, ILL.
 MAILING ADDRESS: 1000 N. 10TH ST.
CHICAGO, ILL.

[illegible][illegible]

[illegible][illegible]

200

[illegible]

21



M.

```

1  int i;
2  while (i < n) {
3      if (i % 2 == 0) {
4          cout << "Even: " << i << endl;
5      }
6      i++;
7  }
8  return 0;
9  }
```

[illegible]

24



524

[illegible]

1. NAME: WILHELM KRIEGER
 2. DATE OF BIRTH: 1906
 3. PLACE OF BIRTH: Wien, Österreich
 4. OCCUPATION: Physik-Professor
 5. EDUCATION: Physik-Professor an der Universität Wien
 6. ACHIEVEMENTS: Entwicklung der Theorie der Kristalle
 7. REFERENCES: Physikalische Zeitschrift, 1928
 8. COMMENTS: Wissenschaftler, der die Kristalle als Gitter betrachtete
 9. SIGNATURE: W. Krieger
 10. DATE: 1930
 11. PLACE: Wien
 12. INSTITUTION: Physikalisches Institut der Universität Wien
 13. CONTACT: Friedrich-Wilhelms-Universität Bonn, Bonn
 14. ADDRESS: Bonn
 15. TELEPHONE: 123456
 16. FAX: 123456
 17. E-MAIL: W. Krieger
 18. WEBSITE: W. Krieger
 19. OTHER NOTES: Wissenschaftler, der die Kristalle als Gitter betrachtete
 20. APPROVAL: Physikalische Zeitschrift, 1928
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 167. CONTACT: Friedrich-Wilhelms-Universität Bonn, Bonn
 168. ADDRESS: Bonn
 169.

[illegible]

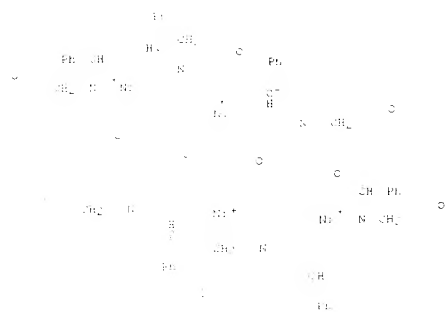
TABLE 3



TABLE 4

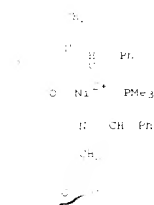


ANAL. Calcd for $C_{10}H_{10}N$: C, 90.0%; H, 7.7%; N, 2.3%. Found: C, 89.8%; H, 7.5%; N, 2.5%.

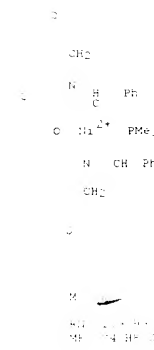


ANAL. Calcd for $C_{10}H_{10}N$: C, 90.0%; H, 7.7%; N, 2.3%. Found: C, 89.8%; H, 7.5%; N, 2.5%.

408329-66-8P
R1: IR (KBr): 1610 (C=O), 1510 (C=C), 1450 (C=C), 1380 (C=C), 1320 (C=C), 1280 (C=C), 1240 (C=C), 1180 (C=C), 1140 (C=C), 1080 (C=C), 1040 (C=C), 1000 (C=C), 960 (C=C), 920 (C=C), 880 (C=C), 840 (C=C), 800 (C=C), 760 (C=C), 720 (C=C), 680 (C=C), 640 (C=C), 600 (C=C), 560 (C=C), 520 (C=C), 480 (C=C), 440 (C=C), 400 (C=C), 360 (C=C), 320 (C=C), 280 (C=C), 240 (C=C), 200 (C=C), 160 (C=C), 120 (C=C), 80 (C=C).



408329-69-1P 408329-72-6P
R1: IR (KBr): 1610 (C=O), 1510 (C=C), 1450 (C=C), 1380 (C=C), 1320 (C=C), 1280 (C=C), 1240 (C=C), 1180 (C=C), 1140 (C=C), 1080 (C=C), 1040 (C=C), 1000 (C=C), 960 (C=C), 920 (C=C), 880 (C=C), 840 (C=C), 800 (C=C), 760 (C=C), 720 (C=C), 680 (C=C), 640 (C=C), 600 (C=C), 560 (C=C), 520 (C=C), 480 (C=C), 440 (C=C), 400 (C=C), 360 (C=C), 320 (C=C), 280 (C=C), 240 (C=C), 200 (C=C), 160 (C=C), 120 (C=C), 80 (C=C).



408329-72-6P
R1: IR (KBr): 1610 (C=O), 1510 (C=C), 1450 (C=C), 1380 (C=C), 1320 (C=C), 1280 (C=C), 1240 (C=C), 1180 (C=C), 1140 (C=C), 1080 (C=C), 1040 (C=C), 1000 (C=C), 960 (C=C), 920 (C=C), 880 (C=C), 840 (C=C), 800 (C=C), 760 (C=C), 720 (C=C), 680 (C=C), 640 (C=C), 600 (C=C), 560 (C=C), 520 (C=C), 480 (C=C), 440 (C=C), 400 (C=C), 360 (C=C), 320 (C=C), 280 (C=C), 240 (C=C), 200 (C=C), 160 (C=C), 120 (C=C), 80 (C=C).

=> ill reg

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

72.26

356.97

DISCOUNT AMOUNTS FOR QUALIFYING ACCOUNTS:

SINCE FILE

TOTAL

ENTRY

SESSION

CA SUBSCRIBER PRICE

-9.29

-9.29

FILE 'REGISTRY' ENTERED AT 10:32:51 ON 27 AUG 2002

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STRUCTURE FILE UPDATES: 25 AUG 2002 HIGHEST EN 444874-82-2

DICTIONARY FILE UPDATES: 25 AUG 2002 HIGHEST EN 444874-82-2

TSCA INFORMATION NOW CURRENT THROUGH MAY 20, 2001

Please note that search-term pricing does apply when
conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Calculated physical property data is now available. See HELP PROPERTIES
for more information. See STNote 27, Searching Properties in the CAS
Registry File, for complete details:

<http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf>

=>

lploading 098094:1 end2.str

L14 STRUCTURE UPLOADED

=> d

L14 HAS NO ANSWERS

L14 STF

Ch¹

G1 N

H

Hy²

G1 {01}, {02}

Structure attributes must be viewed using STN Express query preparation.

=> s l14 ful

FULL SEARCH INITIATED 10:33:16 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 65760 TO ITERATE

100.0 PROCESSED 65760 ITERATIONS
SEARCH TIME: 01.00.16

570 ANSWERS

11 17 SEA SS1 FUL L14

ESTIMATED COST	SINCE FILE ENTRY	TOTAL SESSION
140.28	140.28	497.25
DISCOUNT AMOUNTS FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	0.00	-9.29

FILE 'CAPLUS' ENTERED AT 10:33:37 ON 27 AUG 2002
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FILE COVERS 1907 - 27 Aug 2002 VOL 137 ISS 9
FILE LAST UPDATED: 25 Aug 2002 (20020825/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

CAS roles have been modified effective December 16, 2001. Please check your SDI profiles to see if they need to be revised. For information on CAS roles, enter HELP ROLES at an arrow prompt or use the CAS Roles thesaurus (/RL field) in this file.

-> s 115/p
11 180 L15/P

-> s his

(FILE 'HOME' ENTERED AT 10:22:53 ON 27 AUG 2002)

FILE 'REGISTRY' ENTERED AT 10:23:37 ON 27 AUG 2002

11	STRUCTURE UPLOADED
12	500 S L1 FUL
13	STRUCTURE UPLOADED
14	1 S L3 FUL

FILE 'REGISTRY' ENTERED AT 10:28:01 ON 27 AUG 2002

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      SET TERMSET E#
      DEL SEL Y
      SEL L4 1 RN
115      1 S E1/PN
      SET TERMSET LOGIN

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      FILE 'CAPLOS' ENTERED AT 10:18:06 ON 27 AUG 2002
L6          3 S L5
L7          123 S L2 FUL
L8          2815651 S PROCESS?
L9          12 S L8 AND L7
111         340.40 S GXIB12?
111         7 S L9 AND L10
111         11 S L9 NOT L8
111         11 S L9 NOT L4

```

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      FILE 'REGISTRY' ENTERED AT 10:32:51 ON 27 AUG 2002
L14         STRUCTURE UPLOADED
114         570 S L14 FUL

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      FILE 'CAPLOS' ENTERED AT 10:33:37 ON 27 AUG 2002
L16         150 S L15/P

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=> s 12 ful
L17         126 L2

```

```

=> s 117 and 116 ful
L18         1 L17 AND L16

```

```

=> s 118 ibib abs hitstr

```

1. **Chemical Name:** 2,3-Dihydro-2H-pyran-2-one
Chemical Structure: O=C1C=CCOC1
Chemical Formula: C_5H_6O
Molecular Weight: 98.08 g/mol
Boiling Point: 102-103°C
Melting Point: -10°C
Density: 1.18 g/cm³
Refractive Index: 1.426
Log P: 1.85
Chemical Synthesis: 2,3-Dihydro-2H-pyran-2-one is synthesized from 2,3-dihydro-2H-pyran and acetic anhydride.
Chemical Reactions: 2,3-Dihydro-2H-pyran-2-one reacts with nucleophiles to form 2-substituted 2,3-dihydro-2H-pyran-2-ones.
Chemical Properties: 2,3-Dihydro-2H-pyran-2-one is a colorless liquid with a strong, sweet, almond-like odor. It is highly volatile and flammable.
Chemical Safety: 2,3-Dihydro-2H-pyran-2-one is a skin irritant and may cause respiratory irritation. It should be handled with care and stored in a cool, dry place.
Chemical Uses: 2,3-Dihydro-2H-pyran-2-one is used as a chemical intermediate in the synthesis of various pharmaceuticals and polymers.

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1 1118

FILE 'HOUSE' ENTERED AT 10:11:11 ON 27 AUG 2002)

FILE 'REGISTRY' ENTERED AT 10:13:57 ON 27 AUG 2002

L1 STRUCTURE UPLOADED
L2 10 S L1 FUL
L3 STRUCTURE UPLOADED
L4 1 S L3 FUL

FILE 'REGISTRY' ENTERED AT 10:18:01 ON 27 AUG 2002

SET TERMSET E#
DEL SEL Y
SEL L4 1 EN
L5 1 S E1/EN
SET TERMSET LOGIN

FILE 'CAPLUS' ENTERED AT 10:28:06 ON 27 AUG 2002

L6 3 S L5
L7 123 S L2 FUL
L8 2819651 S PROCESS?
L9 12 S L3 AND L7
L10 346240 S OXIDIZ?
L11 0 S L9 AND L10
L12 12 S L9 NOT L5
L13 12 S L9 NOT L4

FILE 'REGISTRY' ENTERED AT 10:32:51 ON 27 AUG 2002

L14 STRUCTURE UPLOADED
L15 170 S L14 FUL

FILE 'CAPLUS' ENTERED AT 10:33:37 ON 27 AUG 2002

L16 150 S L15 F
L17 126 S L1 FUL
L18 1 S L17 AND L16 FUL

=> s oxaziri?

L19 1013 OXAZIRI?

=> s 119 and 116

L20 110 L19 AND 116

=> s prepar?

1356649 PFEPAR?
101503 PFEP
1775 PREPS
103091 PFEP
(PREP CR PREPS)
1759795 PFEPD
21 PFEPDS
1759810 PFEPD
(PREPD OF PREPDS)
84210 PFEPG
12 PFEPGS
84221 PFEPG

(PREPG OR PREPGS)
 11244-1 PREPN
 11244-7 PREPNS
 11641-5 PREPN
 (PREPN OR PREPNS)
 111 11206-15 PREPAR?
 (PREPAR? OR PREP OR PREPD OR PREPG OR PREPN)
 112 OF LIMIT FOR TOTAL ANSWERS REACHED
 112 s 121 and 120
 112 106 L21 AND L20
 112 s heteroaryloxazir?
 112 HETEROARYLOXAZIR?
 112 123 1-4 lib abs hitstr

=> a his

(FILE 'HOME' ENTERED AT 10:22:53 ON 27 AUG 2002)

FILE 'REISTRY' ENTERED AT 10:23:37 ON 27 AUG 2002

L1 STRUCTURE UPLOADED
L2 3 S L1 FUL
L3 STRUCTURE UPLOADED
L4 1 S L1 FUL

FILE 'REISTRY' ENTERED AT 10:28:01 ON 27 AUG 2002

SET TRANSSET E#
DEL SET Y
SET L4 1 FN
L5 1 S SET FN
SET TRANSSET LOGIN

FILE 'CARLUS' ENTERED AT 10:28:06 ON 27 AUG 2002

L6 3 S L
L7 1 S L1 FUL
L8 2815611 S PROOFUS?
L9 1 S L1 AND L7
L10 348230 S OXIDUS?
L11 0 S L9 AND L10
L12 1 S L9 AND L5
L13 1 S L9 AND L4

FILE 'REISTRY' ENTERED AT 10:32:51 ON 27 AUG 2002

L14 STRUCTURE UPLOADED
L15 3 S L14 FUL

FILE 'CARLUS' ENTERED AT 10:33:37 ON 27 AUG 2002

L16 100 S L15 L
L17 1 S L1 FUL
L18 1 S L17 AND L16 FUL
L19 1013 S OXACIF1?
L20 110 S L19 AND L16
L21 3906825 S PREPAF?
L22 106 S L11 AND L20
L23 2 S HFTEROAFYLOXACIR?

=> s oxid?

SYSTEM LIMITS EXCEEDED - SEARCH ENDED

The search profile you entered was too complex or gave too many answers. Simplify or subdivide the query and try again. If you have exceeded the answer limit, enter DELETE HISTORY at an arrow prompt (=>) to remove all previous answers sets and begin at L1. Use the SAVE command to store any important profiles or answer sets before using DELETE HISTORY.

=> s oxida?

61151L OXIDA?
61811L OXIDN
7285 OXIDUS
61980L OXIDN

(OXIDN OR OXIDNS)
 SYSTEM LIMITS EXCEEDED - SEARCH ENDED
 The search profile you entered was too complex or gave too many answers. Simplify or subdivide the query and try again. If you have exceeded the answer limit, enter DELETE HISTORY at an arrow prompt (=>) to remove all previous answers sets and begin at L1. Use the SAVE command to store any important profiles or answer sets before using DELETE HISTORY.

```

=> s Oxidat?
      497190 OXIDAT?
      618112 OXIDN
      7985 OXIDNS
      619802 OXIDN
              (OXIDN OR OXIDNS)
L14      454711 OXIDAT?
              (OXIDAT OR OXIDN)
=> OF LIMIT FOR TOTAL ANSWERS REACHED

```

```

=> s Oxidation?
      365075 OXIDATION?
      618112 OXIDN
      7985 OXIDNS
      619802 OXIDN
              (OXIDN OR OXIDNS)

```

SYSTEM LIMITS EXCEEDED - SEARCH ENDED
 The search profile you entered was too complex or gave too many answers. Simplify or subdivide the query and try again. If you have exceeded the answer limit, enter DELETE HISTORY at an arrow prompt (=>) to remove all previous answers sets and begin at L1. Use the SAVE command to store any important profiles or answer sets before using DELETE HISTORY.

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(FILE 'HOME' ENTERED AT 10:22:53 ON 27 AUG 2002)

```

FILE 'REGISTRY' ENTERED AT 10:23:37 ON 27 AUG 2002
L1      STRUCTURE UPLOADED
L2      536 S L1 FUL
L3      STRUCTURE UPLOADED
L4      1 S L2 FUL

```

```

FILE 'REGISTRY' ENTERED AT 10:28:01 ON 27 AUG 2002
      SET TERMSET E#
      DEL SEL Y
      SEL L4 1 FN
L5      1 S E1 RN
      SET TERMSET LOGIN

```

```

FILE 'CAPLUS' ENTERED AT 10:28:06 ON 27 AUG 2002
L6      3 S L5
L7      123 S L6 FUL
L8      2815651 S PROCESS?
L9      12 S L8 AND L7

```

L10 346240 S OXIDIS?
L11 0 S L9 AND L10
L12 1 S L4 NOT L5
L13 1 S L4 NOT L4

FILE 'REGISTRY' ENTERED AT 10:32:51 ON 27 AUG 2002
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L15 570 S L14 FUL

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L16 150 S L15/F
L17 120 S L FUL
L18 1 S L17 AND L16 FUL
L19 1013 S OXAZIRI?
L20 110 S L19 AND L16
L21 3906835 S PREPAR?
L22 100 S L21 AND L20
L23 2 S HETERCAFYLOXAZIR?
L24 854717 S OXIDAT?

=> s 124 and 116
L25 90 L24 AND L16

=> s 125 not 123
L26 89 L25 NOT L23

=> d 126 1-89 ibib abs hitstr

DATE	NO.	LOCALITY NAME
1957-10-10	1	...
1957-10-11	2	...
1957-10-12	3	...
1957-10-13	4	...
1957-10-14	5	...
1957-10-15	6	...
1957-10-16	7	...
1957-10-17	8	...
1957-10-18	9	...
1957-10-19	10	...
1957-10-20	11	...
1957-10-21	12	...
1957-10-22	13	...
1957-10-23	14	...
1957-10-24	15	...
1957-10-25	16	...
1957-10-26	17	...
1957-10-27	18	...
1957-10-28	19	...
1957-10-29	20	...
1957-10-30	21	...
1957-10-31	22	...
1957-11-01	23	...
1957-11-02	24	...
1957-11-03	25	...
1957-11-04	26	...
1957-11-05	27	...
1957-11-06	28	...
1957-11-07	29	...
1957-11-08	30	...
1957-11-09	31	...
1957-11-10	32	...
1957-11-11	33	...
1957-11-12	34	...
1957-11-13	35	...
1957-11-14	36	...
1957-11-15	37	...
1957-11-16	38	...
1957-11-17	39	...
1957-11-18	40	...
1957-11-19	41	...
1957-11-20	42	...
1957-11-21	43	...
1957-11-22	44	...
1957-11-23	45	...
1957-11-24	46	...
1957-11-25	47	...
1957-11-26	48	...
1957-11-27	49	...
1957-11-28	50	...
1957-11-29	51	...
1957-11-30	52	...
1957-12-01	53	...
1957-12-02	54	...
1957-12-03	55	...
1957-12-04	56	...
1957-12-05	57	...
1957-12-06	58	...
1957-12-07	59	...
1957-12-08	60	...
1957-12-09	61	...
1957-12-10	62	...
1957-12-11	63	...
1957-12-12	64	...
1957-12-13	65	...
1957-12-14	66	...
1957-12-15	67	...
1957-12-16	68	...
1957-12-17	69	...
1957-12-18	70	...
1957-12-19	71	...
1957-12-20	72	...
1957-12-21	73	...
1957-12-22	74	...
1957-12-23	75	...
1957-12-24	76	...
1957-12-25	77	...
1957-12-26	78	...
1957-12-27	79	...
1957-12-28	80	...
1957-12-29	81	...
1957-12-30	82	...
1957-12-31	83	...
1958-01-01	84	...
1958-01-02	85	...
1958-01-03	86	...
1958-01-04	87	...
1958-01-05	88	...
1958-01-06	89	...
1958-01-07	90	...
1958-01-08	91	...
1958-01-09	92	...
1958-01-10	93	...
1958-01-11	94	...
1958-01-12	95	...
1958-01-13	96	...
1958-01-14	97	...
1958-01-15	98	...
1958-01-16	99	...
1958-01-17	100	...

1. NAME OF THE SUBSTANCE: 2. CAS NO. 3. INDEX NAME

4. DATE

5. SOURCE

6. ANALYST'S NAME
7. ANALYST'S ADDRESS
8. ANALYST'S PHONE NO.

9. DATE

10. SOURCE

11. DATE

12. SOURCE

13. DATE

14. SOURCE

15. DATE

1. NAME OF THE SUBSTANCE: 2. CAS NO. 3. INDEX NAME
4. DATE 5. SOURCE

6. DATE

7. DATE

8. DATE

9. DATE

10. DATE

11. DATE

12. DATE

13. DATE

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1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050, 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2060, 2061, 2062, 2063, 2064, 2065, 2066, 2067, 2068, 2069, 2070, 2071, 2072, 2073, 2074, 2075, 2076, 2077, 2078, 2079, 2080, 2081, 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, 2090, 2091, 2092, 2093, 2094, 2095, 2096, 2097, 2098, 2099, 2100, 2101, 2102, 2103, 2104, 2105, 2106, 2107, 2108, 2109, 2110, 2111, 2112, 2113, 2114, 2115, 2116, 2117, 2118, 2119, 2120, 2121, 2122, 2123, 2124, 2125, 2126, 2127, 2128, 2129, 2130, 2131, 2132, 2133, 2134, 2135, 2136, 2137, 2138, 2139, 2140, 2141, 2142, 2143, 2144, 2145, 2146, 2147, 2148, 2149, 2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2160, 2161, 2162, 2163, 2164, 2165, 2166, 2167, 2168, 2169, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2177, 2178, 2179, 2180, 2181, 2182, 2183, 2184, 2185, 2186, 2187, 2188, 2189, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2200, 2201, 2202, 2203, 2204, 2205, 2206, 2207, 2208, 2209, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2223, 2224, 2225, 2226, 2227, 2228, 2229, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2239, 2240, 2241, 2242, 2243, 2244, 2245, 2246, 2247, 2248, 2249, 2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 2259, 2260, 2261, 2262, 2263, 2264, 2265, 2266, 2267, 2268, 2269, 2270, 2271, 2272, 2273, 2274, 2275, 2276, 2277, 2278, 2279, 2280, 2281, 2282, 2283, 2284, 2285, 2286, 2287, 2288, 2289, 2290, 2291, 2292, 2293, 2294, 2295, 2296, 2297, 2298, 2299, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2310, 2311, 2312, 2313, 2314, 2315, 2316, 2317, 2318, 2319, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2339, 2340, 2341, 2342, 2343, 2344, 2345, 2346, 2347, 2348, 2349, 2350, 2351, 2352, 2353, 2354, 2355, 2356, 2357, 2358, 2359, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2369, 2370, 2371, 2372, 2373, 2374, 2375, 2376, 2377, 2378, 2379, 2380, 2381, 2382, 2383, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2396, 2397, 2398, 2399, 2400, 2401, 2402, 2403, 2404, 2405, 2406, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2424, 2425, 2426, 2427, 2428, 2429, 2430, 2431, 2432, 2433, 2434, 2435, 2436, 2437, 2438, 2439, 2440, 2441, 2442, 2443, 2444, 2445, 2446, 2447, 2448, 2449, 2450, 2451, 2452, 2453, 2454, 2455, 2456, 2457, 2458, 2459, 2460, 2461, 2462, 2463, 2464, 2465, 2466, 2467, 2468, 2469, 2470, 2471, 2472, 2473, 2474, 2475, 2476, 2477, 2478, 2479, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2502, 2503, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2514, 2515, 2516, 2517, 2518, 2519, 2520, 2521, 2522, 2523, 2524, 2525, 2526, 2527, 2528, 2529, 2530, 2531, 2532, 2533, 2534, 2535, 2536, 2537, 2538, 2539, 2540, 2541, 2542, 2543, 2544, 2545, 2546, 2547, 2548, 2549, 2550, 2551, 2552, 2553, 2554, 2555, 2556, 2557, 2558, 2559, 2560, 2561, 2562, 2563, 2564, 2565, 2566, 2567, 2568, 2569, 2570, 2571, 2572, 2573, 2574, 2575, 2576, 2577, 2578, 2579, 2580, 2581, 2582, 2583, 2584, 2585, 2586, 2587, 2588, 2589, 2590, 2591, 2592, 2593, 2594, 2595, 2596, 2597, 2598, 2599, 2600, 2601, 2602, 2603, 2604, 2605, 2606, 2607, 2608, 2609, 2610, 2611, 2612, 2613, 2614, 2615, 2616, 2617, 2618, 2619, 2620, 2621, 2622, 2623, 2624, 2625, 2626, 2627, 2628, 2629, 2630, 2631, 2632, 2633, 2634, 2635, 2636, 2637, 2638, 2639, 2640, 2641, 2642, 2643, 2644, 2645, 2646, 2647, 2648, 2649, 2650, 2651, 2652, 2653, 2654, 2655, 2656, 2657, 2658, 2659, 2660, 2661, 2662, 2663, 2664, 2665, 2666, 2667, 2668, 2669, 2670, 2671, 2672, 2673, 2674, 2675, 2676, 2677, 2678, 2679, 26

18. 4-methoxyphenyl 4-ethoxyethyl ether = 4-methoxyphenyl - OEt 96%

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24. 1-(2,4-dichlorophenyl)-3-(2,4,6-trichlorophenyl)-5-oxo-1,5-dihydro-4H-pyrazole-4-thiol, 1961, CA 10:128.

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DOI: 10.1002/for

1. 1,4-DIMETHOXYBENZENE
 2. 1,4-DIMETHOXYBENZENE
 3. 1,4-DIMETHOXYBENZENE

ANSWER 22 OF 84 CAPLUS COPYRIGHT 2002 ACS (Continued)

1. NAME OF THE COMPANY : 2. ADDRESS :
 3. PHONE NO. : 4. PIN CODE :

[illegible]

1977: 1977, 1978, 1979, 1980, 1981, 1982, 1983, 1984, 1985, 1986, 1987, 1988, 1989, 1990, 1991, 1992, 1993, 1994, 1995, 1996, 1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050, 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2060, 2061, 2062, 2063, 2064, 2065, 2066, 2067, 2068, 2069, 2070, 2071, 2072, 2073, 2074, 2075, 2076, 2077, 2078, 2079, 2080, 2081, 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, 2090, 2091, 2092, 2093, 2094, 2095, 2096, 2097, 2098, 2099, 2100, 2101, 2102, 2103, 2104, 2105, 2106, 2107, 2108, 2109, 2110, 2111, 2112, 2113, 2114, 2115, 2116, 2117, 2118, 2119, 2120, 2121, 2122, 2123, 2124, 2125, 2126, 2127, 2128, 2129, 2130, 2131, 2132, 2133, 2134, 2135, 2136, 2137, 2138, 2139, 2140, 2141, 2142, 2143, 2144, 2145, 2146, 2147, 2148, 2149, 2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2160, 2161, 2162, 2163, 2164, 2165, 2166, 2167, 2168, 2169, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2177, 2178, 2179, 2180, 2181, 2182, 2183, 2184, 2185, 2186, 2187, 2188, 2189, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2200, 2201, 2202, 2203, 2204, 2205, 2206, 2207, 2208, 2209, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2223, 2224, 2225, 2226, 2227, 2228, 2229, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2239, 2240, 2241, 2242, 2243, 2244, 2245, 2246, 2247, 2248, 2249, 2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 2259, 2260, 2261, 2262, 2263, 2264, 2265, 2266, 2267, 2268, 2269, 2270, 2271, 2272, 2273, 2274, 2275, 2276, 2277, 2278, 2279, 2280, 2281, 2282, 2283, 2284, 2285, 2286, 2287, 2288, 2289, 2290, 2291, 2292, 2293, 2294, 2295, 2296, 2297, 2298, 2299, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2310, 2311, 2312, 2313, 2314, 2315, 2316, 2317, 2318, 2319, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2339, 2340, 2341, 2342, 2343, 2344, 2345, 2346, 2347, 2348, 2349, 2350, 2351, 2352, 2353, 2354, 2355, 2356, 2357, 2358, 2359, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2369, 2370, 2371, 2372, 2373, 2374, 2375, 2376, 2377, 2378, 2379, 2380, 2381, 2382, 2383, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2396, 2397, 2398, 2399, 2400, 2401, 2402, 2403, 2404, 2405, 2406, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2424, 2425, 2426, 2427, 2428, 2429, 2430, 2431, 2432, 2433, 2434, 2435, 2436, 2437, 2438, 2439, 2440, 2441, 2442, 2443, 2444, 2445, 2446, 2447, 2448, 2449, 2450, 2451, 2452, 2453, 2454, 2455, 2456, 2457, 2458, 2459, 2460, 2461, 2462, 2463, 2464, 2465, 2466, 2467, 2468, 2469, 2470, 2471, 2472, 2473, 2474, 2475, 2476, 2477, 2478, 2479, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2502, 2503, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2514, 2515, 2516, 2517, 2518, 2519, 2520, 2521, 2522, 2523, 2524, 2525, 2526, 2527, 2528, 2529, 2530, 2531, 2532, 2533, 2534, 2535, 2536, 2537, 2538, 2539, 2540, 2541, 2542, 2543, 2544, 2545, 2546, 2547, 2548, 2549, 2550, 2551, 2552, 2553, 2554, 2555, 2556, 2557, 2558, 2559, 2560, 2561, 2562, 2563, 2564, 2565, 2566, 2567, 2568, 2569, 2570, 2571, 2572, 2573, 2574, 2575, 2576, 2577, 2578, 2579, 2580, 2581, 2582, 2583, 2584, 2585, 2586, 2587, 2588, 2589, 2590, 2591, 2592, 2593, 2594, 2595, 2596, 2597, 2598, 2599, 2600, 2601, 2602, 2603, 2604, 2605, 2606, 2607, 2608, 2609, 2610, 2611, 2612, 2613, 2614, 2615, 2616, 2617, 2618, 2619, 2620, 2621, 2622, 2623, 2624, 2625, 2626, 2627, 2628, 2629, 2630, 2631, 2632, 2633, 2634, 2635, 2636, 2637, 2638, 2639, 2640, 2641, 2642, 2643, 2644, 2645, 2646, 2647, 2648, 2649, 2650, 2651, 2652, 2653, 2654, 2655, 2656, 2657, 26

DEPARTMENT SOURCE: Fac. Agric. Sci., Univ. Gent, Gent, 9000, Belg.

SOUP: TETRAHEDRON (1982), 48:35, 1345-62.
SOUP: TETRAHEDRON: ISSN: 0340-4029.

DOCUMENT TYPE: Journal
 DATE: 1991-1991

OTHER SOURCE(S): CASREACT 117-23889-9

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[illegible]

hydroxylation into the elusive methylenedioxyindines were

isolated, characterized by a transient methylene aziridine, which

fragmented into test B. (Soy protein). Various types of treatment of

1. The following information is required with respect to the 1967-68 season:

propaganda, fragmentation, and realignment of

C.A.

David L. Forster, *Editor*

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Figure 1 consists of four chromatograms labeled (a), (b), (c), and (d). Each chromatogram shows absorbance (AU) on the y-axis and time (min) on the x-axis. Peaks are labeled with compound numbers 1, 2, 3, and 4. Chromatogram (a) shows peaks for 1, 2, 3, and 4. Chromatogram (b) shows peaks for 1, 2, 3, and 4. Chromatogram (c) shows peaks for 1, 2, 3, and 4. Chromatogram (d) shows peaks for 1, 2, 3, and 4.

[illegible][illegible][illegible]

88376-31-2P 88376-32-3P 115171-16-9P
115171-19-2P 115225-11-7P

[illegible]

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¹ *Id.*

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PATENT NO.	FINI DATE	APPLICATION NO.	DATE
FR 125482-43	A. 125482-43	FR 125482-43	1968-11
FR 125482-44	B. 125482-44		
FR 125482-45	C. 125482-45		
FR 125482-46	D. 125482-46		
FR 125482-47	E. 125482-47		
FR 125482-48	F. 125482-48		
FR 125482-49	G. 125482-49		
FR 125482-50	H. 125482-50		
FR 125482-51	I. 125482-51		
FR 125482-52	J. 125482-52		
FR 125482-53	K. 125482-53		
FR 125482-54	L. 125482-54		
FR 125482-55	M. 125482-55		
FR 125482-56	N. 125482-56		
FR 125482-57	O. 125482-57		
FR 125482-58	P. 125482-58		
FR 125482-59	Q. 125482-59		
FR 125482-60	R. 125482-60		
FR 125482-61	S. 125482-61		
FR 125482-62	T. 125482-62		
FR 125482-63	U. 125482-63		
FR 125482-64	V. 125482-64		
FR 125482-65	W. 125482-65		
FR 125482-66	X. 125482-66		
FR 125482-67	Y. 125482-67		
FR 125482-68	Z. 125482-68		
FR 125482-69	AA. 125482-69		
FR 125482-70	AB. 125482-70		
FR 125482-71	AC. 125482-71		
FR 125482-72	AD. 125482-72		
FR 125482-73	AE. 125482-73		
FR 125482-74	AF. 125482-74		
FR 125482-75	AG. 125482-75		
FR 125482-76	AH. 125482-76		
FR 125482-77	AI. 125482-77		
FR 125482-78	AJ. 125482-78		
FR 125482-79	AK. 125482-79		
FR 125482-80	AL. 125482-80		
FR 125482-81	AM. 125482-81		
FR 125482-82	AN. 125482-82		
FR 125482-83	AO. 125482-83		
FR 125482-84	AP. 125482-84		
FR 125482-85	AQ. 125482-85		
FR 125482-86	AR. 125482-86		
FR 125482-87	AS. 125482-87		
FR 125482-88	AT. 125482-88		
FR 125482-89	AU. 125482-89		
FR 125482-90	AV. 125482-90		
FR 125482-91	AW. 125482-91		
FR 125482-92	AX. 125482-92		
FR 125482-93	AY. 125482-93		
FR 125482-94	AZ. 125482-94		
FR 125482-95	BA. 125482-95		
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FR 125482-97	BC. 125482-97		
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FR 125482-99	BE. 125482-99		
FR 125482-100	BF. 125482-100		
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FR 125482-103	BI. 125482-103		
FR 125482-104	BJ. 125482-104		
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FR 125482-108	BN. 125482-108		
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FR 125482-116	BV. 125482-116		
FR 125482-117	BW. 125482-117		
FR 125482-118	BX. 125482-118		
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FR 125482-122	CB. 125482-122		
FR 125482-123	CC. 125482-123		
FR 125482-124	CD. 125482-124		
FR 125482-125	CE. 125482-125		
FR 125482-126	CF. 125482-126		
FR 125482-127	CG. 125482-127		

$$e^{-\frac{1}{2} \frac{d^2}{dx^2}} = \frac{1}{\sqrt{2\pi}} \int_{-\infty}^{\infty} e^{-\frac{1}{2} \frac{d^2}{dx^2} - \frac{1}{2} k^2} dk$$

11

$$\begin{array}{c} \text{F} \\ | \\ \text{N} \\ | \\ \text{C}=\text{O} \end{array} \quad \begin{array}{c} \text{R} \\ | \\ \text{N} \\ | \\ \text{C}=\text{O} \end{array}$$
[illegible]

1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21. 22. 23. 24. 25. 26. 27. 28. 29. 30. 31. 32. 33. 34. 35. 36. 37. 38. 39. 40. 41. 42. 43. 44. 45. 46. 47. 48. 49. 50. 51. 52. 53. 54. 55. 56. 57. 58. 59. 60. 61. 62. 63. 64. 65. 66. 67. 68. 69. 70. 71. 72. 73. 74. 75. 76. 77. 78. 79. 80. 81. 82. 83. 84. 85. 86. 87. 88. 89. 90. 91. 92. 93. 94. 95. 96. 97. 98. 99. 100. 101. 102. 103. 104. 105. 106. 107. 108. 109. 110. 111. 112. 113. 114. 115. 116. 117. 118. 119. 120. 121. 122. 123. 124. 125. 126. 127. 128. 129. 130. 131. 132. 133. 134. 135. 136. 137. 138. 139. 140. 141. 142. 143. 144. 145. 146. 147. 148. 149. 150. 151. 152. 153. 154. 155. 156. 157. 158. 159. 160. 161. 162. 163. 164. 165. 166. 167. 168. 169. 170. 171. 172. 173. 174. 175. 176. 177. 178. 179. 180. 181. 182. 183. 184. 185. 186. 187. 188. 189. 190. 191. 192. 193. 194. 195. 196. 197. 198. 199. 200. 201. 202. 203. 204. 205. 206. 207. 208. 209. 210. 211. 212. 213. 214. 215. 216. 217. 218. 219. 220. 221. 222. 223. 224. 225. 226. 227. 228. 229. 230. 231. 232. 233. 234. 235. 236. 237. 238. 239. 240. 241. 242. 243. 244. 245. 246. 247. 248. 249. 250. 251. 252. 253. 254. 255. 256. 257. 258. 259. 260. 261. 262. 263. 264. 265. 266. 267. 268. 269. 270. 271. 272. 273. 274. 275. 276. 277. 278. 279. 280. 281. 282. 283. 284. 285. 286. 287. 288. 289. 290. 291. 292. 293. 294. 295. 296. 297. 298. 299. 300. 301. 302. 303. 304. 305. 306. 307. 308. 309. 310. 311. 312. 313. 314. 315. 316. 317. 318. 319. 320. 321. 322. 323. 324. 325. 326. 327. 328. 329. 330. 331. 332. 333. 334. 335. 336. 337. 338. 339. 340. 341. 342. 343. 344. 345. 346. 347. 348. 349. 350. 351. 352. 353. 354. 355. 356. 357. 358. 359. 360. 361. 362. 363. 364. 365. 366. 367. 368. 369. 370. 371. 372. 373. 374. 375. 376. 377. 378. 379. 380. 381. 382. 383. 384. 385. 386. 387. 388. 389. 390. 391. 392. 393. 394. 395. 396. 397. 398. 399. 400. 401. 402. 403. 404. 405. 406. 407. 408. 409. 410. 411. 412. 413. 414. 415. 416. 417. 418. 419. 420. 421. 422. 423. 424. 425. 426. 427. 428. 429. 430. 431. 432. 433. 434. 435. 436. 437. 438. 439. 440. 441. 442. 443. 444. 445. 446. 447. 448. 449. 450. 451. 452. 453. 454. 455. 456. 457. 458. 459. 460. 461. 462. 463. 464. 465. 466. 467. 468. 469. 470. 471. 472. 473. 474. 475. 476. 477. 478. 479. 480. 481. 482. 483. 484. 485. 486. 487. 488. 489. 490. 491. 492. 493. 494. 495. 496. 497. 498. 499. 500. 501. 502. 503. 504. 505. 506. 507. 508. 509. 510. 511. 512. 513. 514. 515. 516. 517. 518. 519. 520. 521. 522. 523. 524. 525. 526. 527. 528. 529. 530. 531. 532. 533. 534. 535. 536. 537. 538. 539. 540. 541. 542. 543. 544. 545. 546. 547. 548. 549. 550. 551. 552. 553. 554. 555. 556. 557. 558. 559. 560. 561. 562. 563. 564. 565. 566. 567. 568. 569. 570. 571. 572. 573. 574. 575. 576. 577. 578. 579. 580. 581. 582. 583. 584. 585. 586. 587. 588. 589. 590. 591. 592. 593. 594. 595. 596. 597. 598. 599. 600. 601. 602. 603. 604. 605. 606. 607. 608. 609. 610. 611. 612. 613. 614. 615. 616. 617. 618. 619. 620. 621. 622. 623. 624. 625. 626. 627. 628. 629. 630. 631. 632. 633. 634. 635. 636. 637. 638. 639. 640. 641. 642. 643. 644. 645. 646. 647. 648. 649. 650. 651. 652. 653. 654. 655. 656. 657. 658. 659. 660. 661. 662. 663. 664. 665. 666. 667. 668. 669. 670. 671. 672. 673. 674. 675. 676. 677. 678. 679. 680. 681. 682. 683. 684. 685. 686. 687. 688. 689. 690. 691. 692. 693. 694. 695. 696. 697. 698. 699. 700. 701. 702. 703. 704. 705. 706. 707. 708. 709. 710. 711. 712. 713. 714. 715. 716. 717. 718. 719. 720. 721. 722. 723. 724. 725. 726. 727. 728. 729. 730. 731. 732. 733. 734. 735. 736. 737. 738. 739. 740. 741. 742. 743. 744. 745. 746. 747. 748. 749. 750. 751. 752. 753. 754. 755. 756. 757. 758. 759. 760. 761. 762. 763. 764. 765. 766. 767. 768. 769. 770. 771. 772. 773. 774. 775. 776. 777. 778. 779. 780. 781. 782. 783. 784. 785. 786. 787. 788. 789. 790. 791. 792. 793. 794. 795. 796. 797. 798. 799. 800. 801. 802. 803. 804. 805. 806. 807. 808. 809. 810. 811. 812. 813. 814. 815. 816. 817. 818. 819. 820. 821. 822. 823. 824. 825. 826. 827. 828. 829. 830. 831. 832. 833. 834. 835. 836. 837. 838. 839. 840.

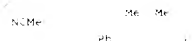
[illegible]

Fig. 2.

[illegible]

• • •

14

99

01. ACCESSION NO. OF AC. JAPANESE COPYRIGHTED: J. ACS
 ACCESSION NUMBER: 1984-01-18
 COUNTRY NUMBER: 11-12-18
 TITLE: 11-12-18
 SUBJECT: 11-12-18
 N-Phosphoryloxazolidines: synthesis and
 structure
 Characterization by nuclear magnetic resonance
 spectroscopy and a crystal structure of
 3,4-bisphenoxy-2,6-bisphenoxyphosphorinyl oxazolidine
 AUTHOR: Boyd, Derek P. J.; Malone, John P.; McGuckin, M.
 Malin, Janet, Rosaleen; Jennings, W. Brian; Rutherford,
 Barbara M.
 ORGANIZATION SOURCE: Dep. Chem., Queen's Univ., Belfast, BT9 1AX, UK
 SOURCE: J. Chem. Soc., Perkin Trans. 1, 1984, 1, 1-10
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 JOURNAL: Journal
 LANGUAGE: English
 TITLE: 11-12-18
 SUBJECT: 11-12-18

Figure 1

[illegible]

8. 6



80. 11706-84-1 CAPLUS
81. Oxaliridine, 3-(3-bromo-1,4-dimethoxy-2-naphthalenyl)-N-propyl-, trans-901 CA INDEX NAME

8. 8



80. 11706-84-1 CAPLUS
81. Oxaliridine, 3-(3-bromo-1,4-dimethoxy-2-naphthalenyl)-N-propyl-, trans-901 CA INDEX NAME

8. 9



80. 11706-84-1 CAPLUS
81. Oxaliridine, 3-(3-bromo-1,4-dimethoxy-2-naphthalenyl)-N-propyl-, trans-901 CA INDEX NAME

8. 10



80. 11706-84-1 CAPLUS
81. Oxaliridine, 3-(3-bromo-1,4-dimethoxy-2-naphthalenyl)-N-propyl-, trans-901 CA INDEX NAME



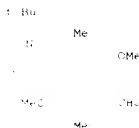
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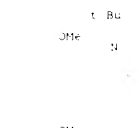
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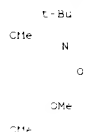
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81. Oxaliridine, 3-(3-bromo-1,4-dimethoxy-2-naphthalenyl)-N-propyl-, trans-901 CA INDEX NAME



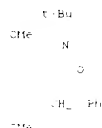
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81. Oxaliridine, 3-(3-bromo-1,4-dimethoxy-2-naphthalenyl)-N-propyl-, trans-901 CA INDEX NAME



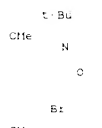
80. 11706-84-1 CAPLUS
81. Oxaliridine, 3-(3-bromo-1,4-dimethoxy-2-naphthalenyl)-N-propyl-, trans-901 CA INDEX NAME



80. 11706-84-1 CAPLUS
81. Oxaliridine, 3-(3-bromo-1,4-dimethoxy-2-naphthalenyl)-N-propyl-, trans-901 CA INDEX NAME



80. 11706-84-1 CAPLUS
81. Oxaliridine, 3-(3-bromo-1,4-dimethoxy-2-naphthalenyl)-N-propyl-, trans-901 CA INDEX NAME



80. 11706-84-1 CAPLUS
81. Oxaliridine, 3-(3-bromo-1,4-dimethoxy-2-naphthalenyl)-N-propyl-, trans-901 CA INDEX NAME

AN: 113540-14-4P 113540-15-5P 113540-16-6P
CA INDEX NAME

AN: 113540-14-4P 113540-15-5P 113540-16-6P
CA INDEX NAME

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CA INDEX NAME

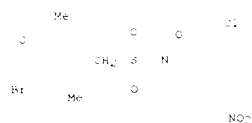
| Compound | Structure | Yield (%) | mp (°C) | lit. mp (°C) | lit. yield (%) |
|----------|-----------|-----------|---------|--------------|----------------|
| 1a | | 75 | 105-106 | 105-106 | 75 |
| 1b | | 75 | 105-106 | 105-106 | 75 |

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 INSTITUTION: Indian Institute of Chemical Technology
 ADDRESS: 753015, Hyderabad 500007, India
 COUNTRY: India
 JOURNAL: J. Chem. Soc., Chem. Commun., 1982, 1274
 YEAR: 1982
 MONTH: 12
 DAY: 12
 VOLUME: 1982
 ISSUE: 12
 PAGES: 1274-1275
 ABSTRACT: The reaction of 1,2-dichloroethane with 1,2-dichloroethane in the presence of a catalyst gave 1,2-dichloroethane in 100% yield. The reaction was carried out in the presence of a catalyst. The reaction was carried out in the presence of a catalyst. The reaction was carried out in the presence of a catalyst.

Figure 1. Schematic representation of the experimental design. The subjects were divided into two groups: the control group and the experimental group. The control group was divided into two subgroups: the control group and the experimental group. The experimental group was divided into two subgroups: the control group and the experimental group. The control group was divided into two subgroups: the control group and the experimental group. The experimental group was divided into two subgroups: the control group and the experimental group.

4b, 4c, 4d, 4e, 4f, 4g, 4h, 4i, 4j, 4k, 4l, 4m, 4n, 4o, 4p, 4q, 4r, 4s, 4t, 4u, 4v, 4w, 4x, 4y, 4z, 4aa, 4ab, 4ac, 4ad, 4ae, 4af, 4ag, 4ah, 4ai, 4aj, 4ak, 4al, 4am, 4an, 4ao, 4ap, 4aq, 4ar, 4as, 4at, 4au, 4av, 4aw, 4ax, 4ay, 4az, 4ba, 4bb, 4bc, 4bd, 4be, 4bf, 4bg, 4bh, 4bi, 4bj, 4bk, 4bl, 4bm, 4bn, 4bo, 4bp, 4bq, 4br, 4bs, 4bt, 4bu, 4bv, 4bw, 4bx, 4by, 4bz, 4ca, 4cb, 4cc, 4cd, 4ce, 4cf, 4cg, 4ch, 4ci, 4cj, 4ck, 4cl, 4cm, 4cn, 4co, 4cp, 4cq, 4cr, 4cs, 4ct, 4cu, 4cv, 4cw, 4cx, 4cy, 4cz, 4da, 4db, 4dc, 4dd, 4de, 4df, 4dg, 4dh, 4di, 4dj, 4dk, 4dl, 4dm, 4dn, 4do, 4dp, 4dq, 4dr, 4ds, 4dt, 4du, 4dv, 4dw, 4dx, 4dy, 4dz, 4ea, 4eb, 4ec, 4ed, 4ee, 4ef, 4eg, 4eh, 4ei, 4ej, 4ek, 4el, 4em, 4en, 4eo, 4ep, 4eq, 4er, 4es, 4et, 4eu, 4ev, 4ew, 4ex, 4ey, 4ez, 4fa, 4fb, 4fc, 4fd, 4fe, 4ff, 4fg, 4fh, 4fi, 4fj, 4fk, 4fl, 4fm, 4fn, 4fo, 4fp, 4fq, 4fr, 4fs, 4ft, 4fu, 4fv, 4fw, 4fx, 4fy, 4fz, 4ga, 4gb, 4gc, 4gd, 4ge, 4gf, 4gg, 4gh, 4gi, 4gj, 4gk, 4gl, 4gm, 4gn, 4go, 4gp, 4gq, 4gr, 4gs, 4gt, 4gu, 4gv, 4gw, 4gx, 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4oq, 4or, 4os, 4ot, 4ou, 4ov, 4ow, 4ox, 4oy, 4oz, 4pa, 4pb, 4pc, 4pd, 4pe, 4pf, 4pg, 4ph, 4pi, 4pj, 4pk, 4pl, 4pm, 4pn, 4po, 4pp, 4pq, 4pr, 4ps, 4pt, 4pu, 4pv, 4pw, 4px, 4py, 4pz, 4qa, 4qb, 4qc, 4qd, 4qe, 4qf, 4qg, 4qh, 4qi, 4qj, 4qk, 4ql, 4qm, 4qn, 4qo, 4qp, 4qq, 4qr, 4qs, 4qt, 4qu, 4qv, 4qw, 4qx, 4qy, 4qz, 4ra, 4rb, 4rc, 4rd, 4re, 4rf, 4rg, 4rh, 4ri, 4rj, 4rk, 4rl, 4rm, 4rn, 4ro, 4rp, 4rq, 4rr, 4rs, 4rt, 4ru, 4rv, 4rw, 4rx, 4ry, 4rz, 4sa, 4sb, 4sc, 4sd, 4se, 4sf, 4sg, 4sh, 4si, 4sj, 4sk, 4sl, 4sm, 4sn, 4so, 4sp, 4sq, 4sr, 4ss, 4st, 4su, 4sv, 4sw, 4sx, 4sy, 4sz, 4ta, 4tb, 4tc, 4td, 4te, 4tf, 4tg, 4th, 4ti, 4tj, 4tk, 4tl, 4tm, 4tn, 4to, 4tp, 4tq, 4tr, 4ts, 4tt, 4tu, 4tv, 4tw, 4tx, 4ty, 4tz, 4ua, 4ub, 4uc, 4ud, 4ue, 4uf, 4ug, 4uh, 4ui, 4uj, 4uk, 4ul, 4um, 4un, 4uo, 4up, 4uq, 4ur, 4us, 4ut, 4uu, 4uv, 4uw, 4ux, 4uy, 4uz, 4va, 4vb, 4vc, 4vd, 4ve, 4vf, 4vg, 4vh, 4vi, 4vj, 4vk, 4vl, 4vm, 4vn, 4vo, 4vp, 4vq, 4vr, 4vs, 4vt, 4vu, 4vv, 4vw, 4vx, 4vy, 4vz, 4wa, 4wb, 4wc, 4wd, 4we, 4wf, 4wg, 4wh, 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4ea, 4eb, 4ec, 4ed, 4ee, 4ef, 4eg, 4eh, 4ei, 4ej, 4ek, 4el, 4em, 4en, 4eo, 4ep, 4eq, 4er, 4es, 4et, 4eu, 4ev, 4ew, 4ex, 4ey, 4ez, 4fa, 4fb, 4fc, 4fd, 4fe, 4ff, 4fg, 4fh, 4fi, 4fj, 4fk, 4fl, 4fm, 4fn, 4fo, 4fp, 4fq, 4fr, 4fs, 4ft, 4fu, 4fv, 4fw, 4fx, 4fy, 4fz, 4ga, 4gb, 4gc, 4gd, 4ge, 4gf, 4gg, 4gh, 4gi, 4gj, 4gk, 4gl, 4gm, 4gn, 4go, 4gp, 4gq, 4gr, 4gs, 4gt, 4gu, 4gv, 4gw, 4gx, 4gy, 4gz, 4ha, 4hb, 4hc, 4hd, 4he, 4hf, 4hg, 4hh, 4hi, 4hj, 4hk, 4hl, 4hm, 4hn, 4ho, 4hp, 4hq, 4hr, 4hs, 4ht, 4hu, 4hv, 4hw, 4hx, 4hy, 4hz, 4ia, 4ib, 4ic, 4id, 4ie, 4if, 4ig, 4ih, 4ii, 4ij, 4ik, 4il, 4im, 4in, 4io, 4ip, 4iq, 4ir, 4is, 4it, 4iu, 4iv, 4iw, 4ix, 4iy, 4iz, 4ja, 4jb, 4jc, 4jd, 4je, 4jf, 4jg, 4jh, 4ji, 4jj, 4jk, 4jl, 4jm, 4jn, 4jo, 4jp, 4jq, 4jr, 4js, 4jt, 4ju, 4jv, 4jw, 4jx, 4jy, 4jz, 4ka, 4kb, 4kc, 4kd, 4ke, 4kf, 4kg, 4kh, 4ki, 4kj, 4kk, 4kl, 4km, 4kn, 4ko, 4kp, 4kq, 4kr, 4ks, 4kt, 4ku, 4kv, 4kw, 4kx, 4ky, 4kz, 4la, 4lb, 4lc, 4ld, 4le, 4lf, 4lg, 4lh, 4li, 4lj, 4lk, 4ll, 4lm, 4ln, 4lo, 4lp, 4lq, 4lr, 4ls, 4lt, 4lu, 4lv

IN 01422-07-3P 108391-91-9P
 FC: MCT Reagent; SPN Synthetic preparation; #EF Preparation
 (repm) and asym. epikpn by
 IN -422-07-3 CAPLUS
 IN Naphthalene, 2-[(3-bromo-1,1-dimethyl-7-oxabicyclo[2.2.1]hept-7-ylmethyl)sulfonyl]- 2-chloro-1-nitrophenyl-, [E]
 2-(3-bromo-1,1-dimethyl-7-oxabicyclo[2.2.1]hept-7-yl)methyl sulfone
 CAS INDEX NAME



PK: 100301 41-4 CAPLUS
 CN: Oxaziridinesulfonamide,
 1-(4-phenyl-1H-imidazol-2-yl)-N-(1-phenylethyl)-N-
 -phenylmethyl-1,3,4-oxadiazol-5-amine 501 CA INDEX
 0000

$$f(x) = \frac{1}{2} \left(\frac{1}{x} + \frac{1}{x+1} \right) = \frac{1}{2} \left(\frac{x+1}{x(x+1)} + \frac{x}{x(x+1)} \right) = \frac{1}{2} \left(\frac{x+1+x}{x(x+1)} \right) = \frac{1}{2} \left(\frac{2x+1}{x(x+1)} \right) = \frac{2x+1}{2x(x+1)}$$

1. NAME: BAYER A. G.
 ADDRESS NUMBER: JERUSALEM 1
 DOCUMENT NUMBER: 701839
 TITLE: Preparation of novel N-allyl-N-(2-methyl-
 2-oxiranyl)-benzylcarbamates
 INVENTOR: Prof. Waldmann, Helmut; Inelidor,
 Axel
 PATENT APPLICANT'S : Bayer A. G., Fed. Rep. Ger.
 ADDRESS: Offenbach - pp.
 CODING: JMWXBW
 DOCUMENT TYPE: Patent
 LANGUAGE: German
 FAMILY APP. NUM. COUNT: 1
 PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|-----------------------------------|------|----------|-----------------|----------|
| IE 3135451 | A1 | 19870409 | DE 1985-1535451 | 19851004 |
| EP 017264 | A1 | 19870408 | EP 1986-11369 | 19860923 |
| EP 017265 | A1 | 19870408 | | |
| EP 017267 | B1 | 19870811 | | |
| F. AT, BE, CH, DE, FR, GB, IT, JP | | | | |
| AT 35416 | E | 19870811 | AT 496.113.69 | 19860923 |
| JP 64.8.359 | A2 | 19870414 | JP 496.02680.4 | 19860924 |
| PRIORITY APPROP. INFO. | | | IF 1981-1535451 | 19851004 |
| | | | EP 1981-11369 | 19860923 |

WJHE SOURCE: S-1 CARPACT 1700015
 AB P-12C:CNHOH.HCl (R,R3 = H, alkyl, cycloalkyl, alkynyl; R1R2C =
 cycloalkyl) were prepd. Thus, Me3CN:CHCl3:40Me-p was stirred with
 Et3N:COH in EtOH to give 96.4% of a 8:1 mixt. of the
 stereoisomers
 isocitraldine and nitrore which give + Me3UNHCH.HCl when treated
 with
 HCl.

17 43052-01-3P
 18 HPLC Reagent ; SM Synthesis preparation ; HPLC Preparation
 19 propene and acid hydrolysis of
 20
 21 CASUS
 22 Acetazoline, 2-(1,1-dimethylethyl)-4-methoxyphenyl- 901 CA
 23
 24
 25

• 35 •

 ΔMe

$$\frac{1}{2} \times \frac{1}{2} = \frac{1}{4} \quad \frac{1}{2} \times \frac{1}{2} = \frac{1}{4} \quad \frac{1}{2} \times \frac{1}{2} = \frac{1}{4}$$

$$\text{HN} \begin{array}{c} \text{O} \\ \parallel \\ \text{C} \end{array} \text{CH}_2 \text{CH}_2 \text{N} \begin{array}{c} \text{O} \\ \parallel \\ \text{C} \end{array} \text{CH}_2 \text{CH}_2 \text{NH} \quad (1)$$

IT 104556-10-7P 104556-11-8P
Rho-kinetaseantagonist; RIN-5 Synthesis: preparation, 1988 Preparation:
propyl and hydrolysis of
RN 104556-10-7P SALON
D 104556-10-7P 104556-11-8P 104556-12-9P 104556-13-0P 104556-14-1P 104556-15-2P 104556-16-3P 104556-17-4P 104556-18-5P 104556-19-6P 104556-20-7P 104556-21-8P 104556-22-9P 104556-23-0P 104556-24-1P 104556-25-2P 104556-26-3P 104556-27-4P 104556-28-5P 104556-29-6P 104556-30-7P 104556-31-8P 104556-32-9P 104556-33-0P 104556-34-1P 104556-35-2P 104556-36-3P 104556-37-4P 104556-38-5P 104556-39-6P 104556-40-7P 104556-41-8P 104556-42-9P 104556-43-0P 104556-44-1P 104556-45-2P 104556-46-3P 104556-47-4P 104556-48-5P 104556-49-6P 104556-50-7P 104556-51-8P 104556-52-9P 104556-53-0P 104556-54-1P 104556-55-2P 104556-56-3P 104556-57-4P 104556-58-5P 104556-59-6P 104556-60-7P 104556-61-8P 104556-62-9P 104556-63-0P 104556-64-1P 104556-65-2P 104556-66-3P 104556-67-4P 104556-68-5P 104556-69-6P 104556-70-7P 104556-71-8P 104556-72-9P 104556-73-0P 104556-74-1P 104556-75-2P 104556-76-3P 104556-77-4P 104556-78-5P 104556-79-6P 104556-80-7P 104556-81-8P 104556-82-9P 104556-83-0P 104556-84-1P 104556-85-2P 104556-86-3P 104556-87-4P 104556-88-5P 104556-89-6P 104556-90-7P 104556-91-8P 104556-92-9P 104556-93-0P 104556-94-1P 104556-95-2P 104556-96-3P 104556-97-4P 104556-98-5P 104556-99-6P 104556-100-7P 104556-101-8P 104556-102-9P 104556-103-0P 104556-104-1P 104556-105-2P 104556-106-3P 104556-107-4P 104556-108-5P 104556-109-6P 104556-110-7P 104556-111-8P 104556-112-9P 104556-113-0P 104556-114-1P 104556-115-2P 104556-116-3P 104556-117-4P 104556-118-5P 104556-119-6P 104556-120-7P 104556-121-8P 104556-122-9P 104556-123-0P 104556-124-1P 104556-125-2P 104556-126-3P 104556-127-4P 104556-128-5P 104556-129-6P 104556-130-7P 104556-131-8P 104556-132-9P 104556-133-0P 104556-134-1P 104556-135-2P 104556-136-3P 104556-137-4P 104556-138-5P 104556-139-6P 104556-140-7P 104556-141-8P 104556-142-9P 104556-143-0P 104556-144-1P 104556-145-2P 104556-146-3P 104556-147-4P 104556-148-5P 104556-149-6P 104556-150-7P 104556-151-8P 104556-152-9P 104556-153-0P 104556-154-1P 104556-155-2P 104556-156-3P 104556-157-4P 104556-158-5P 104556-159-6P 104556-160-7P 104556-161-8P 104556-162-9P 104556-163-0P 104556-164-1P 104556-165-2P 104556-166-3P 104556-167-4P 104556-168-5P 104556-169-6P 104556-170-7P 104556-171-8P 104556-172-9P 104556-173-0P 104556-174-1P 104556-175-2P 104556-176-3P 104556-177-4P 104556-178-5P 104556-179-6P 104556-180-7P 104556-181-8P 104556-182-9P 104556-183-0P 104556-184-1P 104556-185-2P 104556-186-3P 104556-187-4P 104556-188-5P 104556-189-6P 104556-190-7P 104556-191-8P 104556-192-9P 104556-193-0P 104556-194-1P 104556-195-2P 104556-196-3P 104556-197-4P 104556-198-5P 104556-199-6P 104556-200-7P 104556-201-8P 104556-202-9P 104556-203-0P 104556-204-1P 104556-205-2P 104556-206-3P 104556-207-4P 104556-208-5P 104556-209-6P 104556-210-7P 104556-211-8P 104556-212-9P 104556-213-0P 104556-214-1P 104556-215-2P 104556-216-3P 104556-217-4P 104556-218-5P 104556-219-6P 104556-220-7P 104556-221-8P 104556-222-9P 104556-223-0P 104556-224-1P 104556-225-2P 104556-226-3P 104556-227-4P 104556-228-5P 104556-229-6P 104556-230-7P 104556-231-8P 104556-232-9P 104556-233-0P 104556-234-1P 104556-235-2P 104556-236-3P 104556-237-4P 104556-238-5P 104556-239-6P 104556-240-7P 104556-241-8P 104556-242-9P 104556-243-0P 104556-244-1P 104556-245-2P 104556-246-3P 104556-247-4P 104556-248-5P 104556-249-6P 104556-250-7P 104556-251-8P 104556-252-9P 104556-253-0P 104556-254-1P 104556-255-2P 104556-256-3P 104556-257-4P 104556-258-5P 104556-259-6P 104556-260-7P 104556-261-8P 104556-262-9P 104556-263-0P 104556-264-1P 104556-265-2P 104556-266-3P 104556-267-4P 104556-268-5P 104556-269-6P 104556-270-7P 104556-271-8P 104556-272-9P 104556-273-0P 104556-274-1P 104556-275-2P 104556-276-3P 104556-277-4P 104556-278-5P 104556-279-6P 104556-280-7P 104556-281-8P 104556-282-9P 104556-283-0P 104556-284-1P 104556-285-2P 104556-286-3P 104556-287-4P 104556-288-5P 104556-289-6P 104556-290-7P 104556-291-8P 104556-292-9P 104556-293-0P 104556-294-1P 104556-295-2P 104556-296-3P 104556-297-4P 104556-298-5P 104556-299-6P 104556-300-7P 104556-301

255

$$\begin{array}{c} \text{CH}_2 \quad \text{CH} \\ | \quad | \\ \text{H} \quad \text{H} \end{array}$$

OMe

$$\text{CH}_3\text{COO}^-\text{H}_2\text{N}^+\text{R} \xrightarrow{\text{HCl}, \text{EtOH}} \text{CH}_3\text{COOR}$$

Me
N
C
i

| NAME | ADDRESS | DATE | TIME | REMARKS |
|------|---------|------|------|---------|
| ... | ... | ... | ... | ... |

RN 52-44-42-6 CAPLUS
CN Benzenamine,
4-[2-(1,1-dimethylethyl)-3-oxaziridiny]-N,N-dimethyl (9CI)
(CA INDEX NAME)

4

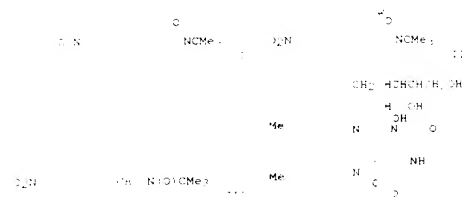
| | |
|----|---|
| AB | Photoisomerization of chiral alds and keto nitrones in +ve -ve or
RICOH-CHIFn gave optically active oxaziridines with optical
yields |
| | 100% stereoselective. E.g., irradiation of PhCHO(N=O)OMe in I at 300 nm and
+40 degree for 31 h gave 100% oxaziridine II with 1.5% optical
yield. |
| | Similarly, chiral nitrones photoisomerized in achiral solvents
with optimum diastereoisomeric excess of 20%. Temp., solvent, and
substituent effects on the asym. synthesis of oxaziridines were examd.
Oxaziridines |
| | with a p-nitrophenyl substituent underwent photoacemization and
photoepimerization |
| IT | 59905-68-9P 60143-68-2P 60183-42-8P
88376-32-3P 87792-04-6P 97859-47-7P
97905-40-3P |
| | K2S ₂ O ₈ SPN Synthetic preparations: FREEE Preparation:
Deprenol, by photochem. rearrangement of nitrone
PhCN=N(CH ₃)CO ₂ CMe ₃ |
| PL | Oxaziridine, N-(1-methylpropyl)-, 4-nitrophenyl-, 2R trans- |
| SD | INDEX NAME |

PN : 0-1789 : 6H100
E : 1-(trans-1,1-dimethylethyl)-2-phenyl-, 2R trans, SCI
CA :
[C]M

PN 0405 405 CAPLUS
 CN Gracitidine, 3-(4-bromophenyl)-2- 1,1 dimethylethyl-, (2R-trans-
 -C1
 -A INDEX NAME

Ne: 84279-01-6P

116 ANSWER 18-84 CAPLUS COPYRIGHT 1984 ACRS
 ACCESSION NUMBER: 84279-01-6P CAPLUS
 DOCUMENT NUMBER: 84279-01-6P
 TITLE: Oxygen transfer from oxaziridines: a chemical
 model for flavin-dependent monooxygenases
 AUTHOR: Warner, William R.; Spero, Denise M.;
 Kashiwagi, William R.
 CORPORATE SOURCE: Dept. Chem., Massachusetts Inst. Technol.,
 Cambridge, MA 02139, USA
 SOURCE: J. Am. Chem. Soc., 1984, 106(1), 1476-86
 CODEN: JACSAT ISSN: 0021-9636
 DOCUMENT TYPE: Journal
 LANGUAGE: English



AB The ability of several arylloxaziridines to transfer an O atom to phenolates was examined. p-Nitrophenyl, 4-tert-butylloxaziridine I was found to oxidize K 2,6-di-*tert*-butylphenolates to the corresponding phenoxiquinones. Product studies and an obsd. ESR signal suggested an electron transfer mechanism for these oxidns. 18O-labeled oxaziridine II was prepd. Oxidns. of phenolates with II rigorously established the oxaziridine ring O as the atom that was transferred to substrate. Kinetic studies with oxaziridine I and the homeric nitron, III, rules out the nitron as an obligate intermediate in the O-transfer reaction. In the oxidn. of substrate, a single electron transfer from phenolate to oxaziridine is thought to generate a phenoxynitroxyl radical pair, which upon coupling and fragmentation achieves the O-transfer. These O-transfer reactions serve as models for the proposed flavin-based oxaziridine, IV, in enzyme-mediated monooxygenations.

117 ANSWER 18-84 CAPLUS COPYRIGHT 1984 ACRS
 84279-01-6P 88343-97-9P
 AB Synthesis of 2-(1,1-dimethylethyl)-3-(2,4-dinitrophenyl)-oxaziridine (9C1) and its reaction with phenolates.
 EN: Warner, William R.; Spero, Denise M.; Kashiwagi, William R.
 OR: J. Am. Chem. Soc., 1984, 106(1), 1476-86
 CA INDEX NAME

118

119

120

121

EN: Warner, William R.; Spero, Denise M.; Kashiwagi, William R.
 OR: J. Am. Chem. Soc., 1984, 106(1), 1476-86
 CA INDEX NAME

122

123

124

125

117 ANSWER 18-84 CAPLUS COPYRIGHT 1984 ACRS
 ACCESSION NUMBER: 84279-01-6P CAPLUS
 DOCUMENT NUMBER: 84279-01-6P
 TITLE: Influence of the N-sulfonyl and N-alkyl groups on
 the stereochemical features of the
 peroxo acid imine
 reaction
 AUTHOR: Sisti, Maria; Fanni, Arrigo; Moretti,
 Irene
 TITRE: Torino, Giovanni
 CORPORATE SOURCE: Ist. Chim. Org., Univ. Modena, Modena, 41100,
 Italy
 SOURCE: J. Am. Chem. Soc., Perkin Trans. 2, 1984, 7,
 1115
 CODEN: JCKRHH ISSN: 0021-9636
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 OTHER SOURCE: CAPLUS 198433826

AB Asym. oxidn. of prochiral sulfonyl imines and N-alkyl imines to
 oxaziridines by chiral peroxo acids was studied. The differences
 in the diastereoselectivity and enantioselectivity of the 2 reactions are
 discussed in terms of the effects of the sulfonyl and alkyl groups
 on the stereocenter.

117 63087-57-0P 67463-01-6P 67463-02-9P
 80997-74-6P 85653-70-9P 85653-71-0P
 88376-31-2P 88376-32-3P

EN: Warner, William R.; Spero, Denise M.; Kashiwagi, William R.
 OR: J. Am. Chem. Soc., 1984, 106(1), 1476-86
 CA INDEX NAME

118

119

120

121

EN: Warner, William R.; Spero, Denise M.; Kashiwagi, William R.
 OR: J. Am. Chem. Soc., 1984, 106(1), 1476-86
 CA INDEX NAME

124

AB

RN 80997-74-6 CAPLUS
CN Oxaziridine, 2-(1-methyl-2-phenyl-3-phenyl- (2S-cis)- (9CI) (CA
INDEX NAME

124

124

124

RN 80997-74-6 CAPLUS
CN Oxaziridine, 2-(1-methyl-2-phenyl-3-phenyl- (2R-trans)- (9CI) (CA
INDEX NAME

124

124

124

RN 80997-74-6 CAPLUS
CN Oxaziridine, 2-(1-methyl-2-phenyl-3-phenyl- (2R-trans)- (9CI) (CA
INDEX NAME

124

124

124

RN 80997-74-6 CAPLUS
CN Oxaziridine, 3-(4-methylphenyl)-2-(phenylsulfonyl)-, trans- (1-
9CI) (CA

ARTICLE NUMBER: 85653-70-9P
DOCUMENT NUMBER: 85653-70-9P
TITLE: Asymmetric synthesis and stereochemical
Properties of
AUTHOR: optically active N-sulfonyl-3-aryloxaziridines
Bacchiarelli, Maria; Forni, Ariano; Marcaccioli,
Sergio; Moretti, Irene; Torre, Giovanni;
CORPORATE SOURCE: Ist. Chim. Org., Univ. Modena, Modena, 41100,
Italy
SOURCE: Tetrahedron: 1992, 39(11), 187-92
CODEN: TETRAH; ISSN: 0040-4039
DOCUMENT TYPE: Journal
LANGUAGE: English
OTHER PUBLICATION: CASREACT 98:198078
GI

R



AB Oxidn. of 4-MeC6H4SO2NH2 (R = Ph, C6H4Me-4; R1 = Me, Ph) with
peroxyacetic acid gave 90-95% optically active
oxaziridines.
Asym. oxidn. of MeC6H4 or MeC6H4SO2NH2 with I gave optical
yields of 2.1-31.1% (R = MeC6H4 and 1.6-2.8% (R1 = MeC6H4SO2NH2). NMR
spectra recorded in the presence of chiral solvent or shift reagent and CD
spectra of 1 are discussed.

124 80997-74-6P 85653-70-9P 85653-71-0P

R1: SPN (Synthetic preparation); PREP (Preparation)

prepn., optical properties, and chiral oxidn. by)

RN 80997-74-6 CAPLUS

CN Oxaziridine, 3-phenyl-2-(phenylsulfonyl)-, (2R-trans)- (9CI) (CA

INDEX NAME

124

124

124

124

RN 80997-74-6 CAPLUS
CN Oxaziridine, 2-(1-methyl-2-phenyl-3-phenyl- (2R-trans)- (9CI) (CA
INDEX NAME

INDEX NAME

124

124

124

124

Me

RN 80997-74-6 CAPLUS
CN Oxaziridine, 2-(1-methyl-2-phenyl-3-phenyl- (2R-trans)- (9CI) (CA
INDEX NAME

124

124

124

RN 80997-74-6 CAPLUS
CN Oxaziridine, 2-(1,1-dimethylethyl-3-phenyl- (2R-trans)- (9CI) (CA
INDEX NAME

124

124

124

124

INDEX NAME

124

124

124

124

RN 80997-74-6 CAPLUS
CN Oxaziridine, 3-(4-methylphenyl)-2-(phenylsulfonyl)-, trans- (1-
9CI) (CA
INDEX NAME

124

124

124

124

Me

ACCESSION NUMBER: 1992:043870 CAPLUS
DOCUMENT NUMBER: 97:143670
TITLE: Chemistry of Oxaziridines. 3. Asymmetric oxidation of thioanisulfur compounds using chiral 2-sulfonyloxaziridines
AUTHOR: Frankel, Alan; Jenkins, Robert H., Jr.
CORPORATE SOURCE: Sam. B. Griller, Orum D. Watson, William H. Hulse, Jr.
SOURCE: J. Am. Chem. Soc. (1990), 112(20), 5412-18
CODEN: JACSAT ISSN: 0002-7863
DOCUMENT TYPE: Journal
LANGUAGE: English
OTHER SOURCE S#1: CASREACT 97:14 970
CI:



AB: The oxaziridine was oxidized with 50% enriched $^{18}\text{O}_2$ at 300-325 degree, in an Al₂O₃ tube, to give a mixture of ^{18}O and ^{16}O isotopes. The active O content was 71%. The oxaziridine was treated with 2,4-DICHLORO in THF at -20 degree, to give a mixture of the active and inactive ^{18}O with 39% total active ^{18}O . 4-(NITROCHLORO), cyclohexene, and cyclohexanone were oxidized with 10% enriched $^{18}\text{O}_2$ to give epoxide III, and 92% lactone IV, resp.
RN: 84279-01-6P
CA INDEX NAME: Oxaziridine, 2-[(7,7'-dimethyl-2-oxobicyclo[2.2.1]hept-1-yl)methylsulfonyl]-1-(4-nitrophenyl)- (901)
CA INDEX NAME:

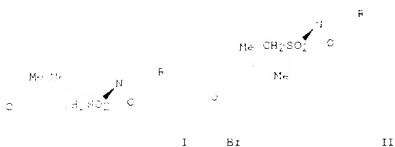
136

136

136

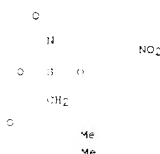
NO2

ACCESSION NUMBER: 1992:043870 CAPLUS
DOCUMENT NUMBER: 97:143670
TITLE: Chemistry of Oxaziridines. 3. Asymmetric oxidation of thioanisulfur compounds using chiral 2-sulfonyloxaziridines
AUTHOR: Frankel, Alan; Jenkins, Robert H., Jr.
CORPORATE SOURCE: Sam. B. Griller, Orum D. Watson, William H. Hulse, Jr.
SOURCE: J. Am. Chem. Soc. (1990), 112(20), 5412-18
CODEN: JACSAT ISSN: 0002-7863
DOCUMENT TYPE: Journal
LANGUAGE: English
OTHER SOURCE S#1: CASREACT 97:14 970
CI:

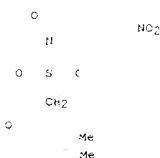


AB: R₁H, R₂H, and (3,5)-I and II (R₁H substituted phenyl) give the best enantioselectivity of any chiral oxidizing reagent for the asym. oxidn. of sulfides and disulfides to sulfoxides and thiosulfates, resp.; 5-9 times better than chiral peracids. For asym. oxidns. using I and II the configuration of the oxaziridine 3-membered ring controlled the configuration of the product, which is related to a chiral recognition mechanism. The increased asym. was attributed by chiral 2-sulfonyloxaziridines was attributed to the fact that the active site O was incorporated into a rigid chiral environment. The small size difference (30% effect) in both the oxaziridine and substrate played important roles in beta, the abs. configuration of the product, and the magnitude of the asym. bias. As the R₁ increases, the enantioselectivity increases.
IT: 72530-30-8P 72530-31-9P 72501-74-9P
72501-75-0P 81310-08-9P 81369-89-3P
81422-07-3P 81446-77-7P 82679-84-3P
82730-20-9P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation) (prepn. and asym. oxidn. of sulfides by)
RN: 72531-30-8 CAPLUS
CN: Oxaziridine, 2-[(7,7'-dimethyl-2-oxobicyclo[2.2.1]hept-1-yl)methylsulfonyl]-1-(4-nitrophenyl)-,
[2R-[2.alpha.,(1S*,4R*),3.beta.]]-
[C1] (CA INDEX NAME)



RN: 72531-31-9 CAPLUS
CN: Oxaziridine, 2-[(7,7'-dimethyl-2-oxobicyclo[2.2.1]hept-1-yl)methylsulfonyl]-1-(4-nitrophenyl)-,
[2R-[2.alpha.,(1R*,4S*),3.beta.]]-
[C1] (CA INDEX NAME)



RN: 72581-74-9 CAPLUS
CN: Oxaziridine, 2-[(7,7'-dimethyl-2-oxobicyclo[2.2.1]hept-1-yl)methylsulfonyl]-1-(4-nitrophenyl)-,
[2R-[2.alpha.,(1R*,4S*),3.beta.]]-
[C1] (CA INDEX NAME)

LEE ANSWER 63 OF 89 CAPLUS COPYRIGHT 2002 ACS (Continued)
 ACCESSION NUMBER: 1981:4:0970 CAPLUS
 DOCUMENT NUMBER: 95:60970
 TITLE: Electron spin resonance studies of spin trapping. On the role of hydroxylamines and an oxaziridine in the formation of nitroxides following addition of hydroxyalkyl radicals to N-tert-butyl-alpha-phenylnitron
 AUTHOR: Coxon, James M.; Gilbert, Bruce C.; Norman, G.
 CORPORATE SOURCE: Dep. Chem., Univ. York, York, YO1 5DD, Engl.
 J. Chem. Soc., Perkin Trans. 2 (1981), (2), 379-85
 SOURCE: 1981:4:0970 CAPLUS
 DOCUMENT TYPE: Journal
 LANGUAGE: English



AB Oxidn. of 4-O2N-CHC(=O)H with O=C(Cl)CH4CO2OH to give I was improved by carrying out the reaction in the presence of a phase transfer catalyst, e.g., PhCH2NEt3Cl. Use of chiral catalysts gave optically active I of 3-10% optical purity. Thus prepd. were (+)- and (-)-I
 R: Ph, R1 = H and I, R, R1, and yield = Ph, 3-O2N, 83; Ph, 4-O2N, 5; Me, 100%
 H, 100%
 IT 73844-59-2P 73845-00-8P 78377-89-6P
 80997-73-5P 80997-74-6P 80997-75-7P
 RE: SPN (Synthetic preparation); PREP (Preparation)
 (prepn. of)
 RN 80997-73-5 CAPLUS
 CN Oxaziridine, 2-(4-methylsulfonyl)-3-phenyl-, trans- (9CI) (CA INDEX NAME)

O S Ph
 N

RN 80997-74-6 CAPLUS
 CN Oxaziridine, 2-phenyl-2-(phenylmethylsulfonyl)-, trans- (9CI) (CA INDEX NAME)

LEE ANSWER 64 OF 89 CAPLUS COPYRIGHT 2002 ACS (Continued)

O S Ph
 N

RN 80997-73-5 CAPLUS
 CN Oxaziridine, 2-phenyl-2-(phenylmethylsulfonyl)-, trans- (9CI) (CA INDEX NAME)

O S Ph
 N

LEE ANSWER 63 OF 89 CAPLUS COPYRIGHT 2002 ACS (Continued)
 ACCESSION NUMBER: 1981:4:0970 CAPLUS
 DOCUMENT NUMBER: 95:60970
 TITLE: Electron spin resonance studies of spin trapping. On the role of hydroxylamines and an oxaziridine in the formation of nitroxides following addition of hydroxyalkyl radicals to N-tert-butyl-alpha-phenylnitron
 AUTHOR: Coxon, James M.; Gilbert, Bruce C.; Norman, G.
 CORPORATE SOURCE: Dep. Chem., Univ. York, York, YO1 5DD, Engl.
 J. Chem. Soc., Perkin Trans. 2 (1981), (2), 379-85
 SOURCE: 1981:4:0970 CAPLUS
 DOCUMENT TYPE: Journal
 LANGUAGE: English

O S Ph
 N

RN 80997-73-5 CAPLUS
 CN Oxaziridine, 2-(4-nitrophenyl)-2-(phenylsulfonyl)-, trans- (9CI) (CA INDEX NAME)

O S Ph
 N

RN 8097-74-6 CAPLUS
 CN Oxaziridine, 2-phenyl-2-(phenylsulfonyl)-, trans- (9CI) (CA INDEX NAME)

LEE ANSWER 64 OF 89 CAPLUS COPYRIGHT 2002 ACS
 ACCESSION NUMBER: 1981:4:0970 CAPLUS
 DOCUMENT NUMBER: 95:60970
 TITLE: Electron spin resonance studies of spin trapping. On the role of hydroxylamines and an oxaziridine in the formation of nitroxides following addition of hydroxyalkyl radicals to N-tert-butyl-alpha-phenylnitron
 AUTHOR: Coxon, James M.; Gilbert, Bruce C.; Norman, G.
 CORPORATE SOURCE: Dep. Chem., Univ. York, York, YO1 5DD, Engl.
 J. Chem. Soc., Perkin Trans. 2 (1981), (2), 379-85
 SOURCE: 1981:4:0970 CAPLUS
 DOCUMENT TYPE: Journal
 LANGUAGE: English

O S Ph
 N

AB ESR studies showed that when the alpha-hydroxyalkyl radicals (HO(RR)C.OH) (R = Me, R1 = H, Me, Ph, R ≠ R1 ≠ H) are photochem. generated in the presence of the spin trap PhCH=N+(OMe)2O- the resulting adducts PhCH(OH)R1N+(OMe)2O- (R, R1 as before) are photochem. stable but build up with time when irradiation is interrupted. This effect is due to oxidn. of the intermediate hydroxylamine (generated by nitroxide photolysis) by the oxaziridine I, which is formed by photolysis of the trap. These observations, coupled with the results obtained when O2 is admitted, indicate the need for care in the interpretation of spin-trapping expts.
 IT RE: SPN (Synthetic preparation); PREP (Preparation)
 (prepn. of, and oxidn. by, of butylphenylnitron-hydroxyalkyl radical adducts)
 RN 7731-34-2P CAPLUS
 CN Oxaziridine, 2-(4,4-dimethylethyl)-3-phenyl- (9CI) (CA INDEX NAME)

1

RN 77240-56-3 CASLON
 UN 2-Graziridineacetic acid, (alpha,3-diphenyl), ethyl ester 901
 CA
 INDEX NAME

RN 704137 CAPLUS
CN 704137 Indinavir, 2-(4-nitrophenyl)-alpha-phenyl-, ethyl ester
* * * * *

242

Ref. 1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21. 22. 23. 24. 25. 26. 27. 28. 29. 30. 31. 32. 33. 34. 35. 36. 37. 38. 39. 40. 41. 42. 43. 44. 45. 46. 47. 48. 49. 50. 51. 52. 53. 54. 55. 56. 57. 58. 59. 60. 61. 62. 63. 64. 65. 66. 67. 68. 69. 70. 71. 72. 73. 74. 75. 76. 77. 78. 79. 80. 81. 82. 83. 84. 85. 86. 87. 88. 89. 90. 91. 92. 93. 94. 95. 96. 97. 98. 99. 100. 101. 102. 103. 104. 105. 106. 107. 108. 109. 110. 111. 112. 113. 114. 115. 116. 117. 118. 119. 120. 121. 122. 123. 124. 125. 126. 127. 128. 129. 130. 131. 132. 133. 134. 135. 136. 137. 138. 139. 140. 141. 142. 143. 144. 145. 146. 147. 148. 149. 150. 151. 152. 153. 154. 155. 156. 157. 158. 159. 160. 161. 162. 163. 164. 165. 166. 167. 168. 169. 170. 171. 172. 173. 174. 175. 176. 177. 178. 179. 180. 181. 182. 183. 184. 185. 186. 187. 188. 189. 190. 191. 192. 193. 194. 195. 196. 197. 198. 199. 200. 201. 202. 203. 204. 205. 206. 207. 208. 209. 210. 211. 212. 213. 214. 215. 216. 217. 218. 219. 220. 221. 222. 223. 224. 225. 226. 227. 228. 229. 230. 231. 232. 233. 234. 235. 236. 237. 238. 239. 240. 241. 242. 243. 244. 245. 246. 247. 248. 249. 250. 251. 252. 253. 254. 255. 256. 257. 258. 259. 260. 261. 262. 263. 264. 265. 266. 267. 268. 269. 270. 271. 272. 273. 274. 275. 276. 277. 278. 279. 280. 281. 282. 283. 284. 285. 286. 287. 288. 289. 290. 291. 292. 293. 294. 295. 296. 297. 298. 299. 300. 301. 302. 303. 304. 305. 306. 307. 308. 309. 310. 311. 312. 313. 314. 315. 316. 317. 318. 319. 320. 321. 322. 323. 324. 325. 326. 327. 328. 329. 330. 331. 332. 333. 334. 335. 336. 337. 338. 339. 340. 341. 342. 343. 344. 345. 346. 347. 348. 349. 350. 351. 352. 353. 354. 355. 356. 357. 358. 359. 360. 361. 362. 363. 364. 365. 366. 367. 368. 369. 370. 371. 372. 373. 374. 375. 376. 377. 378. 379. 380. 381. 382. 383. 384. 385. 386. 387. 388. 389. 390. 391. 392. 393. 394. 395. 396. 397. 398. 399. 400. 401. 402. 403. 404. 405. 406. 407. 408. 409. 410. 411. 412. 413. 414. 415. 416. 417. 418. 419. 420. 421. 422. 423. 424. 425. 426. 427. 428. 429. 430. 431. 432. 433. 434. 435. 436. 437. 438. 439. 440. 441. 442. 443. 444. 445. 446. 447. 448. 449. 450. 451. 452. 453. 454. 455. 456. 457. 458. 459. 460. 461. 462. 463. 464. 465. 466. 467. 468. 469. 470. 471. 472. 473. 474. 475. 476. 477. 478. 479. 480. 481. 482. 483. 484. 485. 486. 487. 488. 489. 490. 491. 492. 493. 494. 495. 496. 497. 498. 499. 500. 501. 502. 503. 504. 505. 506. 507. 508. 509. 510. 511. 512. 513. 514. 515. 516. 517. 518. 519. 520. 521. 522. 523. 524. 525. 526. 527. 528. 529. 530. 531. 532. 533. 534. 535. 536. 537. 538. 539. 540. 541. 542. 543. 544. 545. 546. 547. 548. 549. 550. 551. 552. 553. 554. 555. 556. 557. 558. 559. 560. 561. 562. 563. 564. 565. 566. 567. 568. 569. 570. 571. 572. 573. 574. 575. 576. 577. 578. 579. 580. 581. 582. 583. 584. 585. 586. 587. 588. 589. 590. 591. 592. 593. 594. 595. 596. 597. 598. 599. 600. 601. 602. 603. 604. 605. 606. 607. 608. 609. 610. 611. 612. 613. 614. 615. 616. 617. 618. 619. 620. 621. 622. 623. 624. 625. 626. 627. 628. 629. 630. 631. 632. 633. 634. 635. 636. 637. 638. 639. 640. 641. 642. 643. 644. 645. 646. 647. 648. 649. 650. 651. 652. 653. 654. 655. 656. 657. 658. 659. 660. 661. 662. 663. 664. 665. 666. 667. 668. 669. 670. 671. 672. 673. 674. 675. 676. 677. 678. 679. 680. 681. 682. 683. 684. 685. 686. 687. 688. 689. 690. 691. 692. 693. 694. 695. 696. 697. 698. 699. 700. 701. 702. 703. 704. 705. 706. 707. 708. 709. 710. 711. 712. 713. 714. 715. 716. 717. 718. 719. 720. 721. 722. 723. 724. 725. 726. 727. 728. 729. 730. 731. 732. 733. 734. 735. 736. 737. 738. 739. 740. 741. 742. 743. 744. 745. 746. 747. 748. 749. 750. 751. 752. 753. 754. 755. 756. 757. 758. 759. 760. 761. 762. 763. 764. 765. 766. 767. 768. 769. 770. 771. 772. 773. 774. 775. 776. 777. 778. 779. 780. 781. 782. 783. 784. 785. 786. 787. 788. 789. 790. 791. 792. 793. 794. 795. 796. 797. 798. 799. 800. 801. 802. 803. 804. 805. 806. 807. 808. 809. 810. 811. 812. 813. 814. 815. 816. 817. 818. 819. 820. 821. 822. 823. 824. 825. 826. 827. 828. 829. 830. 831. 832. 833. 834. 835. 836. 837. 838. 839. 840.

$$\begin{array}{c} \text{Me} \\ | \\ \text{N} \\ | \\ \text{O} \end{array}$$

iv

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EN 13445-68-2 1
CN 2-ONaziridine 1,
3-(4-methoxyphenyl)-1-(2-methylpropyl)-,
methyl ester (1:1) 2 (INLEN NAME)

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Me

RN 73844-94-0
 CN Oxaziridine, 2-[(4-methylphenyl)sulfonyl]-3-phenyl-, trans- (9CI)
 CA INDEX NAME



Me

RN 73844-94-0
 CN Oxaziridine, 2-[(4-methylphenyl)sulfonyl]-3-phenyl-, trans- (9CI)
 CA INDEX NAME



CN

RN 73844-94-0
 CN Oxaziridine, 2-[(4-chlorophenyl)sulfonyl]-3-phenyl-, trans- (9CI)
 CA INDEX NAME



Ph

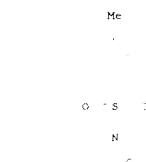
RN 73844-94-0
 CN Oxaziridine, 2-[(4-chlorophenyl)sulfonyl]-3-phenyl-, trans- (9CI)
 CA INDEX NAME



Ph



RN 73844-94-0
 CN Oxaziridine, 2-[(4-methylphenyl)sulfonyl]-3-phenyl-, trans- (9CI)
 CA INDEX NAME



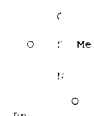
RN 73844-94-0
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 CA INDEX NAME

RN 73844-94-0
 CN Oxaziridine, 2-[(4-methylphenyl)sulfonyl]-3-phenyl-, trans- (9CI)
 CA INDEX NAME

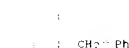
Me



RN 73844-94-0
 CN Oxaziridine, 2-[(4-methylphenyl)sulfonyl]-3-phenyl-, trans- (9CI)
 CA INDEX NAME



RN 73844-94-0
 CN Oxaziridine, 2-[(4-methylphenyl)sulfonyl]-3-phenyl-, trans- (9CI)
 CA INDEX NAME



Ph

RN 73844-94-0
 CN Oxaziridine, 2-[(4-methylphenyl)sulfonyl]-3-phenyl-, trans- (9CI)
 CA INDEX NAME

L26 ANSWER 70 OF 89 CAPLUS COPYRIGHT 2002 ACS (Continued)
ACCESSION NUMBER: 729558 CAPLUS
DOCUMENT NUMBER: 729558
TITLE: Radical intermediates in the
photoirradiation of
p-benzoquinone in ethanol solution
AUTHOR: Shoji, Dora, Takahisa, Mizuta,
Toshino, Maeda,
Yoshida, Hiroshi
CORPORATE SOURCE: Hokkaido Univ., Sapporo, 060, Japan
SOURCE: J. Chem. Soc., Perkin Trans. 2, 1980, (1),
61-4
CODEN: JCPRKH; ISSN: 0300-9580
DOCUMENT TYPE: Journal
LANGUAGE: English
AB: The mechanism of the photoirradiation of p-benzoquinone (I) in EtOH was
studied by ESR of the photoirradiated I and by comparison of the products of the
photoirradiation of I with those of the photoirradiation of p-benzoquinone anion (II) are the
primary intermediates. The tendency of their formation correlates with
the absorption spectra of I and II. The photoirradiation of I to hydroquinone
proceeds via an anion radical intermediate. Photoinduced 1-electron transfer
produces II and [EtOH]^{•+} which is transformed into EtO[•] and H₂O^{•+} by rapid proton
transfer. II disproportionates to hydroquinone and p-benzoquinone. The synthetic preparation of
II is described. (Preparation: PREP (Preparation))
RN 729558-2 CAPLUS
CN Oxalindine, 2-(cyclohexylphenylmethyl)-3-phenyl- (9CI) (CA INDEX NAME)

Ph

Ph

Ph

L26 ANSWER 70 OF 89 CAPLUS COPYRIGHT 2002 ACS (Continued)
ACCESSION NUMBER: 729558 CAPLUS
DOCUMENT NUMBER: 729558
TITLE: Radical intermediates in the
photoirradiation of
p-benzoquinone in ethanol solution
AUTHOR: Shoji, Dora, Takahisa, Mizuta,
Toshino, Maeda,
Yoshida, Hiroshi
CORPORATE SOURCE: Hokkaido Univ., Sapporo, 060, Japan
SOURCE: J. Chem. Soc., Perkin Trans. 2, 1980, (1),
61-4
CODEN: JCPRKH; ISSN: 0300-9580
DOCUMENT TYPE: Journal
LANGUAGE: English
AB: The mechanism of the photoirradiation of p-benzoquinone (I) in EtOH was
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II is described. (Preparation: PREP (Preparation))
RN 729558-2 CAPLUS
CN Oxalindine, 2-(cyclohexylphenylmethyl)-3-phenyl- (9CI) (CA INDEX NAME)

Ph

Ph

Ph

L26 ANSWER 70 OF 89 CAPLUS COPYRIGHT 2002 ACS (Continued)
ACCESSION NUMBER: 729558 CAPLUS
DOCUMENT NUMBER: 729558
TITLE: Radical intermediates in the
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AUTHOR: Shoji, Dora, Takahisa, Mizuta,
Toshino, Maeda,
Yoshida, Hiroshi
CORPORATE SOURCE: Hokkaido Univ., Sapporo, 060, Japan
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61-4
CODEN: JCPRKH; ISSN: 0300-9580
DOCUMENT TYPE: Journal
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the absorption spectra of I and II. The photoirradiation of I to hydroquinone
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produces II and [EtOH]^{•+} which is transformed into EtO[•] and H₂O^{•+} by rapid proton
transfer. II disproportionates to hydroquinone and p-benzoquinone. The synthetic preparation of
II is described. (Preparation: PREP (Preparation))
RN 729558-2 CAPLUS
CN Oxalindine, 2-(cyclohexylphenylmethyl)-3-phenyl- (9CI) (CA INDEX NAME)

Ph

Ph

Ph

RN 729558-2 CAPLUS
CN Oxalindine, 2-(cyclohexylphenylmethyl)-3-phenyl- (9CI) (CA INDEX NAME)

L26 ANSWER 70 OF 89 CAPLUS COPYRIGHT 2002 ACS (Continued)
ACCESSION NUMBER: 729558 CAPLUS
DOCUMENT NUMBER: 729558
TITLE: Radical intermediates in the
photoirradiation of
p-benzoquinone in ethanol solution
AUTHOR: Shoji, Dora, Takahisa, Mizuta,
Toshino, Maeda,
Yoshida, Hiroshi
CORPORATE SOURCE: Hokkaido Univ., Sapporo, 060, Japan
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61-4
CODEN: JCPRKH; ISSN: 0300-9580
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photoirradiation of I with those of the photoirradiation of p-benzoquinone anion (II) are the
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the absorption spectra of I and II. The photoirradiation of I to hydroquinone
proceeds via an anion radical intermediate. Photoinduced 1-electron transfer
produces II and [EtOH]^{•+} which is transformed into EtO[•] and H₂O^{•+} by rapid proton
transfer. II disproportionates to hydroquinone and p-benzoquinone. The synthetic preparation of
II is described. (Preparation: PREP (Preparation))
RN 729558-2 CAPLUS
CN Oxalindine, 2-(cyclohexylphenylmethyl)-3-phenyl- (9CI) (CA INDEX NAME)

Ph

Ph

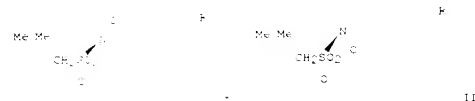
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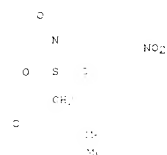
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Ph

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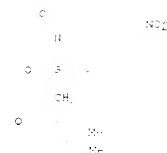
L26 ANSWER 71 OF 89 CAPLUS COPYRIGHT 2002 ACS (Continued)



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RN      71-10-1      CAPLUS
CN      Oxaziridine, 2-[[17, 2-dimethyl-2-oxobicyclo[2.2.1]hept-1-yl]methylsulfonyl]-2-(2-nitrophenyl)-,
        [2S-[2,6,8,11R*,4S*,3,6a.]]
        19-      CA INDEX NAME

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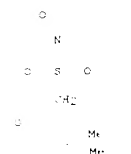
ANSWER 71 OF 80 COPYRIGHT 2002 ACS (Continued)



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#N 12548-71 =
#N Oxaziridine, 2,2,2-trifluoro-1-(2,2,2-trifluoro-1-phenyl)-
(2R,3R)-3-methyl-
(CI) 10A

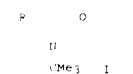
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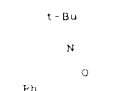
PN 3581-74-9
UN Oxaziridin, 4-
ylmethyl-
-S-(2.alpha.)-
(4Cl) (CA
-thyl-2-oxobicyclo[2.2.1]hept-1-
-phenyl)-,
-
(4Cl) (CA

L26 ANSWER 72
ACCESSION NUMBER 00068 CAPLUS
DOCUMENT NUMBER 95
TITLE: Polymerization reaction of ylides. 6. A new type of polymerization reaction of aziridines
AUTHOR(S) Shiteiri; Watanabe, Masamichi
CORPORATE SOURCE Chiba, Shionogi and Co., Ltd., Osaka, Japan
SOURCE Chem. Soc. Jpn. 1915, 1323-4
CROSSREF ISSN: 0002-7867

DOCUMENT TYPE:
LANGUAGE:
GI



| | | |
|-------|-------------|---------------------------------------|
| AB | aziridine | II were converted to oxaziridines II |
| 714 | 1 | |
| | vigorous | peroxide. The reaction seemed to be a |
| | single-st | aziridine N oxide. This is a new |
| type | of | |
| | reaction | in the oxidn. of |
| | 1,3-di-te | 6-7-oxaziridine formation was also |
| CHSD. | | |
| | This appear | example of ring-C oxidn. of the |
| | aziridine | |
| IT | 7731-34-2P | |
| | RL: SPN | |
| | (PREP) | FORM: PREP (Preparation) |
| RN | 7731-34 | |
| CN | Oxazirid | ethyl-3-phenyl-19CI (CA INDEX NAME) |



L26 ANSWER 74 OF 89 CAPLUS COPYRIGHT 2002 ACS (Continued)

ACCESSION NUMBER: 66947-12-4P
DOCUMENT NUMBER: 66947-12-4P
TITLE: The stereochemistry of the products of the oxidation of bis-N-alkyl oxaziridines
AUTHOR: Peter R. Marind, Lionel C. Jennings
CORPORATE SOURCE: Queen's Univ., Belfast, N. Ire.
SOURCE: J. Chem. Soc., Perkin Trans. 1 (1978), 1311-1315
INDEX: OXIDN. ISSN: 0360-6376
LANGUAGE: English
AB: RN: 66947-12-4P - Me-SC, cyclohexyl and p-RN-CH₂CH₂ (R = Et, Me) were oxidized by m-CPBA to stereoisomeric mixtures of the products. The oxidn. products of 1 (R = Me) were isolated and assigned trans,trans-isomer and trans,trans-meso configurations by NMR and asym. synthesis. The oxidn. products of 2 were formed as diastereoisomeric mixts. of trans,trans and cis,trans-bis oxaziridines. 1H and 13C NMR data are reported for the bis oxaziridines.
IT: 54222-31-OP 66947-11-3P 66947-12-4P 66947-13-5P 66947-14-6P 66947-15-7P
RI: SPN (Synthetic preparation); PREP (Preparation)
RN: 54222-31-OP CAPLUS
CN: Oxaziridine, 3,3'-(1,4-phenylene)bis[2-cyclohexyl- (9CI)] (CA INDEX NAME)

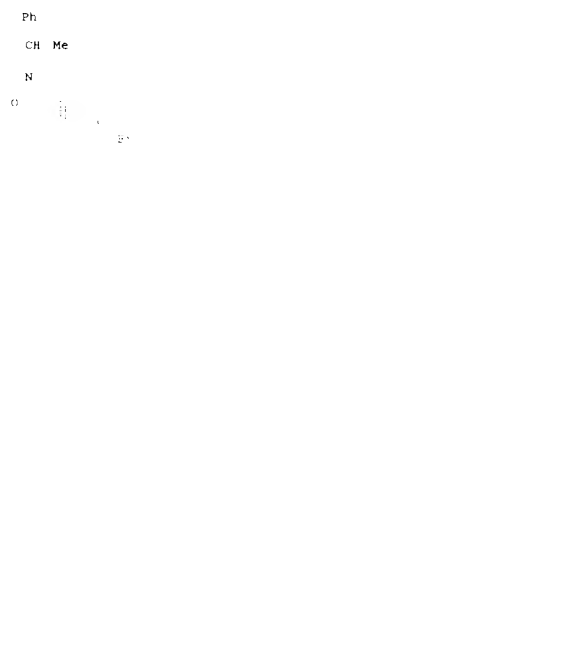
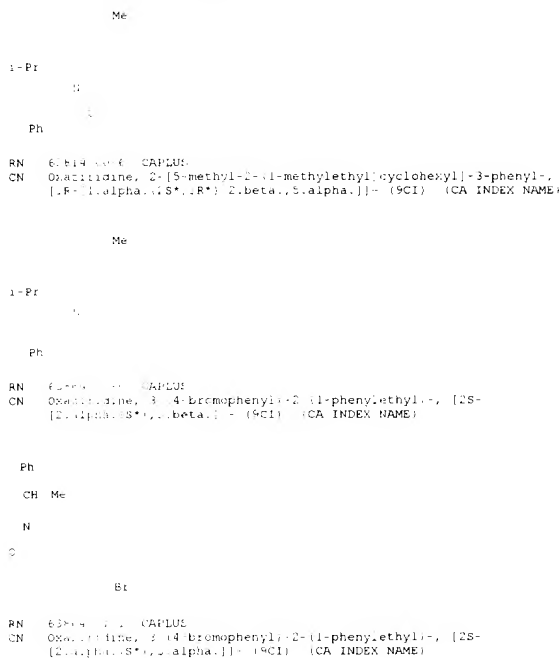
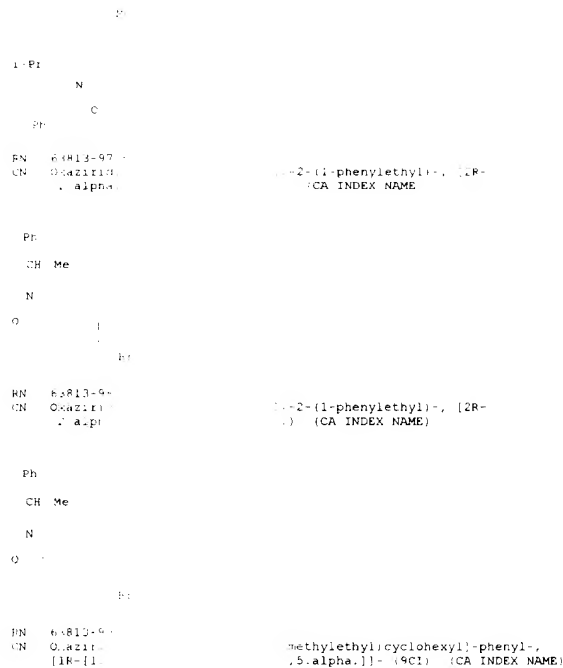
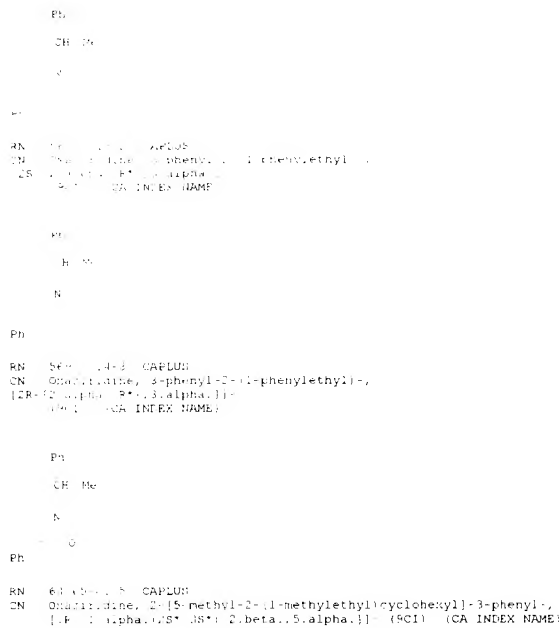
N
O
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RN: 54222-31-OP CAPLUS
CN: Oxaziridine, 3,3'-(1,4-phenylene)bis[2-ethyl (9CI)] (CA INDEX NAME)

L26 ANSWER 74 OF 89 CAPLUS COPYRIGHT 2002 ACS (Continued)

ACCESSION NUMBER: 66947-12-4P
DOCUMENT NUMBER: 66947-12-4P
TITLE: The stereochemistry of the products of the oxidation of bis-N-alkyl oxaziridines
AUTHOR: Peter R. Marind, Lionel C. Jennings
CORPORATE SOURCE: Queen's Univ., Belfast, N. Ire.
SOURCE: J. Chem. Soc., Perkin Trans. 1 (1978), 1311-1315
INDEX: OXIDN. ISSN: 0360-6376
LANGUAGE: English
AB: RN: 66947-12-4P - Me-SC, cyclohexyl and p-RN-CH₂CH₂ (R = Et, Me) were oxidized by m-CPBA to stereoisomeric mixtures of the products. The oxidn. products of 1 (R = Me) were isolated and assigned trans,trans-isomer and trans,trans-meso configurations by NMR and asym. synthesis. The oxidn. products of 2 were formed as diastereoisomeric mixts. of trans,trans and cis,trans-bis oxaziridines. 1H and 13C NMR data are reported for the bis oxaziridines.
IT: 54222-31-OP 66947-11-3P 66947-12-4P 66947-13-5P 66947-14-6P 66947-15-7P
RI: SPN (Synthetic preparation); PREP (Preparation)
RN: 54222-31-OP CAPLUS
CN: Oxaziridine, 3,3'-(1,4-phenylene)bis[2-cyclohexyl- (9CI)] (CA INDEX NAME)

L26 ANSWER 74 OF 89 CAPLUS COPYRIGHT 2002 ACS (Continued)

ACCESSION NUMBER: 66947-12-4P
DOCUMENT NUMBER: 66947-12-4P
TITLE: The stereochemistry of the products of the oxidation of bis-N-alkyl oxaziridines
AUTHOR: Peter R. Marind, Lionel C. Jennings
CORPORATE SOURCE: Queen's Univ., Belfast, N. Ire.
SOURCE: J. Chem. Soc., Perkin Trans. 1 (1978), 1311-1315
INDEX: OXIDN. ISSN: 0360-6376
LANGUAGE: English
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IT: 54222-31-OP 66947-11-3P 66947-12-4P 66947-13-5P 66947-14-6P 66947-15-7P
RI: SPN (Synthetic preparation); PREP (Preparation)
RN: 54222-31-OP CAPLUS
CN: Oxaziridine, 3,3'-(1,4-phenylene)bis[2-cyclohexyl- (9CI)] (CA INDEX NAME)



L26 ANSWER 75 OF 85 CAPLUS COPYRIGHT 2002 ACS
 ACCESSION NUMBER: 63160-13-4
 DOCUMENT NUMBER: 63160-13-4
 TITLE: Photolysis of 2-[[4-methoxyphenyl]sulfonyl]-3-phenyl-1,3,4-oxaziridine
 AUTHOR: Davis, Franklin A.; Nadir, Upender K.
 CORPORATE SOURCE: Dep. Chem., Drexel Univ., Philadelphia, Pa.
 UJA
 SOURCE: Tetrahedron Lett. 1977, (20), 1721-4
 CODEN: TETLEA
 DOCUMENT TYPE: Source
 LANGUAGE: English

L26 ANSWER 75 OF 85 CAPLUS COPYRIGHT 2002 ACS (Continued)

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 O
 Ph

AB Photolysis of the oxaziridines I (R = MeO, Me, Cl) in MeCN under N₂ resulted in N-O bond cleavage and formation (22-55%) of 4-RC₆H₄SO₂NH₂. Minor products were 4-RC₆H₄SO₂CH₃ and PhCHO. Photolysis of I (R = MeO) in the presence of O₂, a triplet quencher, did not affect the yield of II. In MeCN, pentamethylbenzoyl peroxide, both triplet sensitizers, the yield of II was increased and that of sulfonamide increased. Thus the anide is formed from the oxaziridine singlet state whereas the minor products, 4-MeC₆H₄SO₂NH₂ and PhCHO, were formed from the oxaziridine triplet state.
 IT 64705-26-6P
 RL RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); Synph. and photolysis of, mechanism of
 RN 64705-26-6 CAPLUS
 CN Oxaziridine, 2-[[4-methoxyphenyl]sulfonyl]-3-phenyl-, diast. (9CI)
 A
 INDEX NAME)

L26 ANSWER 76 OF 85 CAPLUS COPYRIGHT 2002 ACS
 ACCESSION NUMBER: 63160-14-5
 DOCUMENT NUMBER: 63160-14-5
 TITLE: 2-Arylsulfonyl-3-phenyl-1,3,4-oxaziridines: a new stable oxaziridine derivatives
 AUTHOR: Davis, Franklin A.; Nadir, Upender K.; Kluwer, Edward
 CORPORATE SOURCE: Dep. Chem., Drexel Univ., Philadelphia, Pa.
 UJA
 SOURCE: J. Chem. Soc., Chem. Commun. (1977), (1), 25-6
 CODEN: JCCCAT
 DOCUMENT TYPE: Journal
 LANGUAGE: English

L26 ANSWER 76 OF 85 CAPLUS COPYRIGHT 2002 ACS (Continued)

Me
 O S O
 N
 O
 Ph
 RN 63160-13-4
 CN Oxaziridine, 2-[[4-methoxyphenyl]sulfonyl]-3-phenyl-, diast. (9CI) (CA INDEX NAME)

O
 Ph
 AB The title oxaziridines I (R = Me, H, Cl, N₂) were prepd. by oxidation of 4-RC₆H₄SO₂NHCHPh (n = 0, 2) with 5 and 2 equiv. resp. m-ClC₆H₄SO₂OH. Refluxing I in CHCl₃ contg. small amts. of EtOH and H₂O for 1-4 h gave 23-56% PhCHO, 14-32% PhCN, 45-75% 4-RC₆H₄SO₂NH₂, 5-25% 4-RC₆H₄SO₂NH₂ and 12-13% 4-RC₆H₄SO₂CH₃. I (R = NO₂) also gave 10-18% 4-RC₆H₄SO₂CH₃. The decompn. may involve formation of 4-RC₆H₄SO₂NHCHPh which is attacked by H₂O or EtOH or rearranges to 4-RC₆H₄SO₂NHCHPh. Fragmentation of I to a nitrene and/or radical intermediates can explain the formation of PhCHO and 4-RC₆H₄SO₂NH₂.
 IT 63160-12-3P 63160-13-4P 63160-14-5P
 63160-15-6P
 PL RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); Synph. and thermal decompn. of, mechanism of
 RN 63160-13-4 CAPLUS
 CN Oxaziridine, 2-[[4-methoxyphenyl]sulfonyl]-3-phenyl-, diast. (9CI)
 INDEX NAME)

C
 O S Ph
 N
 O
 Ph
 RN 63160-14-5
 CN Oxaziridine, 2-[[4-methoxyphenyl]sulfonyl]-3-phenyl-, diast. (9CI) (CA INDEX NAME)
 Cl
 O S O
 N
 O
 Ph
 RN 63160-15-6
 CN Oxaziridine, 2-[[4-methoxyphenyl]sulfonyl]-3-phenyl-, diast. (9CI) (CA INDEX NAME)

No.

D S

N

PI

ACCESSION NUMBER:

DOCUMENT NUMBER:

TITLE:

acid as an

AUTHOR(S):

CORPORATE SOURCE:

USA

SOURCE:

DOCUMENT TYPE:

LANGUAGE:

AB The usual

synthesis

gives signifi

censes of

a-sym. ind.

use of

this kind

chiral

sulfoxides

previously

reported w

2-tert-but

enantioselect

excess usin

IT 62058-74-xx

Rt. SPN

aprepn

RN 6.058-74-xx

CN Oxaziridin

9CI

CA INDEX

1661 CAPLUS

1

ation of the use of peroxycamphoric

oxidizing agent

W. H. ; Rinaldi, P. L.

Chem. Sci., Univ. Illinois, Urbana, Ill.,

Chem. (1977), 42(12), 2080-2

CEAR

monopercamphoric acid for asym.

2 isomers giving opposite stereochem.

isomers can be obtained cryst. and

induction leads to optical yields of

oxaziridines 50-100% greater than

In 1 of the more favorable cases,

oxaziridine was obtained in 60%

id

PREP (Preparation)

11-2-(1,1-dimethylethyl)-, (2S-trans)-

9CI

CA INDEX

t-Bu

N

O

RN 6.058-74

ACCESSION NUMBER:

DOCUMENT NUMBER:

TITLE:

nitrogen in

AUTHOR(S):

A. ;

Mostowick, J.

CORPORATE SOURCE:

Gdansk,

SOURCE:

CODEN: TELEAY

JOURNAL

LANGUAGE:

English

IT

RN

CN

9CI

CA INDEX

AB

Oxidn. of 8-(+)-p-BrC₆H₄CH=NCHMePh with m-ClC₆H₄C(O)OOH gave a

58:50:7:15.9:4.9 mixt. of oxaziridine diastereoisomers. The abs.

configuration of the predominant isomer I was detd. as (+)-2R,3R

by X-ray

anal.

IT 60183-42-8P 60183-43-9P 60183-44-0P

Rt. PREP (Properties); SPN (Synthetic preparation); PREP

Preparation

(propn. and configuration of)

RN 60183-42-8P CAPLUS

CN Oxaziridine, 8-(4-bromophenyl)-2-(1-phenylethyl)-, (2S-

trans)-, (R*,3.alpha.)- [9CI] CA INDEX NAME

9CI

CA INDEX

AB

Oxidn. of 8-(+)-p-BrC₆H₄CH=NCHMePh with m-ClC₆H₄C(O)OOH gave a

58:50:7:15.9:4.9 mixt. of oxaziridine diastereoisomers. The abs.

configuration of the predominant isomer I was detd. as (+)-2R,3R

by X-ray

anal.

IT 60183-42-8P 60183-43-9P 60183-44-0P

Rt. PREP (Properties); SPN (Synthetic preparation); PREP

Preparation

(propn. and configuration of)

RN 60183-42-8P CAPLUS

CN Oxaziridine, 8-(4-bromophenyl)-2-(1-phenylethyl)-, (2S-

trans)-, (R*,3.alpha.)- [9CI] CA INDEX NAME

9CI

CA INDEX

AB

Oxidn. of 8-(+)-p-BrC₆H₄CH=NCHMePh with m-ClC₆H₄C(O)OOH gave a

58:50:7:15.9:4.9 mixt. of oxaziridine diastereoisomers. The abs.

configuration of the predominant isomer I was detd. as (+)-2R,3R

by X-ray

anal.

IT 60183-42-8P 60183-43-9P 60183-44-0P

Rt. PREP (Properties); SPN (Synthetic preparation); PREP

Preparation

(propn. and configuration of)

RN 60183-42-8P CAPLUS

CN Oxaziridine, 8-(4-bromophenyl)-2-(1-phenylethyl)-, (2S-

trans)-, (R*,3.alpha.)- [9CI] CA INDEX NAME

9CI

CA INDEX

Fh

CH Me

N

O

Fh

CH Me

N

O

Fh

CH Me

N

O

Fh

CH Me

N

O

Fh

CH Me

N

O

Fh

CH Me

N

O

Fh

CH Me

N

O

Fh

CH Me

N

O

Fh

CH Me

N

O

Fh

CH Me

N

O

Fh

CH Me

N

O

Fh

CH Me

N

O

Fh

CH Me

N

O

Fh

CH Me

N

O

Fh

CH Me

N

O

Fh

CH Me

N

O

11-2-(1-phenylethyl)-, (2R-

1) (CA INDEX NAME)

9CI

CA INDEX

11c ANSWER 79 CAPLUS COPYRIGHT 2002 ACS
 ACCESSION NUMBER 59905-66-7P
 DOCUMENT NUMBER 59905-66-7P
 TITLE: Photoreduction at a chiral pyridine
 AUTHOR: Rogers, M.; Boyd, Derek R.; Campbell, J.
 CORPORATE SOURCE: Queen's Univ., Belfast, Belfast, N. Ireland
 SOURCE: J. Chem. Soc., Chem. Commun., 1995, 5, 1023
 DOCUMENT TYPE: Article
 LANGUAGE: English

11c
 R
 R I

AB: Optically active oxaziridines, prepd. by asymmetric oxidn. of the corresponding imines, underwent photoreduction by a mechanism involving C-O bond cleavage and formation of a nitrene intermediate. These
 IT: 59905-66-7P 59905-66-7P 59905-66-7P
 RN: 59905-66-7P
 CN: Oxaziridine, 2-methyl-3-(4-nitrophenyl), trans- (9CI) (CA INDEX NAME)
 Me
 N
 O
 Ph
 RN: 59905-66-7P
 CN: Oxaziridine, 2-methyl-3-(4-nitrophenyl), cis- (9CI) (CA INDEX NAME)

RN: 59905-66-7P
 CN: Oxaziridine, 2-methyl-3-(4-nitrophenyl), cis- (9CI) (CA INDEX NAME)

11c ANSWER 79 CAPLUS COPYRIGHT 2002 ACS (Continued)

Me
 N
 O
 Ph
 RN: 59905-66-7P
 CN: Oxaziridine, 2-methyl-3-(4-nitrophenyl), trans- (9CI) (CA INDEX NAME)

1-Pr
 N
 O
 Ph
 RN: 59905-66-7P
 CN: Oxaziridine, 2-methyl-3-(4-nitrophenyl), cis- (9CI) (CA INDEX NAME)

1-Pr
 N
 O
 Ph
 RN: 59905-66-7P
 CN: Oxaziridine, 2-methyl-3-(4-nitrophenyl), (2R-trans)- (9CI) (CA INDEX NAME)

11c ANSWER 79 CAPLUS COPYRIGHT 2002 ACS (Continued)

11c
 R
 R I

11c

AB: Catalytic asymmetric reduction of azoxy compounds. III. Reduction of alkane dimers as an approach to
 IT: 59905-66-7P 59905-66-7P 59905-66-7P
 RN: 59905-66-7P
 CN: Oxaziridine, 2-methyl-3-(4-nitrophenyl), cis- (9CI) (CA INDEX NAME)
 Me
 N
 O
 Ph
 RN: 59905-66-7P
 CN: Oxaziridine, 2-methyl-3-(4-nitrophenyl), cis- (9CI) (CA INDEX NAME)

11c ANSWER 79 CAPLUS
 ACCESSION NUMBER 59905-66-7P
 DOCUMENT NUMBER 59905-66-7P
 TITLE: Catalytic asymmetric reduction of azoxy compounds. III. Reduction of alkane dimers as an approach to
 AUTHOR: Grant, Chi, Min-Shong; Clark, Melvin S.
 CORPORATE SOURCE: Univ. Louisville, Louisville, Ky., USA
 SOURCE: J. Chem. (1976), 41(7), 1131-5
 DOCUMENT TYPE: Article
 LANGUAGE: English
 AB: Catalytic asymmetric reduction of azoxy compounds. III. Reduction of alkane dimers as an approach to
 IT: 59905-66-7P 59905-66-7P 59905-66-7P
 RN: 59905-66-7P
 CN: Oxaziridine, 2-methyl-3-(4-nitrophenyl), cis- (9CI) (CA INDEX NAME)

Me
 N
 O
 Ph
 RN: 59905-66-7P
 CN: Oxaziridine, 2-methyl-3-(4-nitrophenyl), cis- (9CI) (CA INDEX NAME)

126 ANSWER # : RIGHT 2002 ACS (Continued)

E:

η-βv

N

Ph

RD 5727-2
CN OXAZICIN

: -, trans- (9CI) (CA INDEX NAME)

а - Вм

2

Pn

1T 57527-58-9P 57527-59-0P 57527-60-3P

57527-61-4P
R.I. SHI (Synthetic preparations); PREP (Preparation)

CN : 52-566 CAPLUS
 CN : 52-566 CAPLUS
 NAME :

†

Ph

RN 3 3000 10000 CAPLUS

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RN      3  12  1  1  CAPLOS
CN      3  12  1  1  3-phenyl-2-tricyclo[3.3.1.1.3,7]dec-1-yl-, trans-
(9CI)   1  1  1  1
DEFIN   3  12  1  1

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RN 0000000000 CAPTUS

CN O-allyl-glycyl-L-butyl-DL-phenyl-, cis- [9CI] (CA INDEX NAME)

L26 ACSWEB 8. OF 89 CAPLAS COPYRIGHT 2002 ACS

L26 AC.SWEN. 1. OF 89 CAPLUS COPYRIGHT 200
 ACCESSION NUMBER: 1976:43493 CAPLUS
 DOCUMENT NUMBER: 89:13493

DOCUMENT NUMBER: 941134-01
TITLE: Synthesis of N-oxygenated products of 3,4-dimethoxyamphetamine and its N-alkyl

Derivative Title: N-(4-methoxyphenyl)acetamide and its N-alkyl
AUTHOR(S): Morgan, F. H.; Beckett, A. H.
CORPORATE SOURCE: Ge. Sea Coll., London, Engl.
SOURCE: Tetrahedron 1973, 31(20), 2595-60;
CDSN: TETRA
DOCUMENT TYPE: General
LANGUAGE: Eng.ish
GI: P. 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 81

[illegible]

IT 58379-96-7P 58379-97-8P

11. 58379-96-7P 58379-97-8P
 H: 58K Synthetic preparation; PRE: (Preparation)
 (Title, of)

RN 56316-1 CAPLUS
 CN Oxadiazole, 2-[2-(3,4-dimethoxyphenyl)-1-methylethyl]-3-phenyl-
 (9CI)
 (CA INDEX NAME)

Other

MeO

23

Ph

L26 ANSWER 8:

RIGHT 2002 ACS (Continued)

BN 58179-97

2-[2-(3,4-dichlorophenyl)-3-(4-nitrophenyl)-

MeO

 O_2N

RN 1-10: 1843 CAPLUS
CN 1-Oxalindinepentanoic acid,
alpha, (1-1,1-dimethylethoxy[carbonyl]amino)-
(4-methoxyphenyl)-, 1,1-dimethylethyl ester (9CI) (CA INDEX
NAME)

$$\begin{array}{c} \text{Pr} \\ | \\ \text{CH} - \text{Me} \\ | \\ \text{N} \\ | \\ \text{O} \\ | \\ \text{Ph} \end{array}$$
$$\begin{array}{c} \text{O} \\ | \\ \text{N} \\ | \\ (\text{CH}_2)_6 - \text{Me} \end{array}$$

RN 5:053-98--
CN Oxaziridinyl-2-thoxyphenyl)- (9CI) (CA INDEX NAME)

CH₂ N
N
Ph
RN 5128-17 CAPLUS
CN 1-(2-oxo-1,3-heptanoido-1-yl)-
[alpha-(1,1-dimethylethoxy)carboxylamino]-
[phenyl-1,1-dimethylethyl ester], [2R-[2.alpha.,3.beta.]]-
[9CI] (CA INDEX NAME)

Ph
N
Ph
RN 5128-17 CAPLUS
CN 1-(2-oxo-1,3-heptanoido-1-yl)-
[alpha-(1,1-dimethylethoxy)carboxylamino]-
[phenyl-1,1-dimethylethyl ester], [2R-[2.alpha.,3.beta.]]-
[9CI] (CA INDEX NAME)

Ph
t-BuO C N
CH₂ N
N
Ph
RN 5128-17 CAPLUS
CN 1-(2-oxo-1,3-heptanoido-1-yl)-
[alpha-(1,1-dimethylethoxy)carboxylamino]-
[phenyl-1,1-dimethylethyl ester], [2S-[2.alpha.,3.beta.]]-
[9CI]

L16 ANSWER #17 CAPLUS COPYRIGHT 2002 ACS
ACCESSION NUMBER 5128-17 CAPLUS
DOCUMENT NUMBER 5128-17
TITLE Asymmetric in oxaziridines
AUTHOR(S) Boyd, D. P.; Giam, R.
CORPORATE SOURCE Dep. Chem., Queen's Univ., Belfast, N. Ireland
SOURCE J. Chem. Soc. C (1969), (19), 3648-50
CODEN JSCOA
DOCUMENT TYPE Journal
LANGUAGE English
AB Optically active oxaziridines were prepd. by oxidn. of aldimines and ketimines with (+)-peroxyphosphoric acid. In several oxaziridines, optical activity is due solely to the non-inverting N atom. Stereochemicality during oxidn. is both temp. and solvent dependent. A suitable choice of conditions produced (+)-4-phenyl-2-tert-butylloxaziridine of high optical rotation [[alpha]_D 436 23.5 (neat)].
IT 20378-51-2P
RL: 31% Synthetic preparation, PREP (Preparation)
asymmetric synthesis of
RN 20378-51-2P CAPLUS
CN Oxaziridine, 2-tert-butyl-4-phenyl-, (+)-[9CI] (CA INDEX NAME)

t-Bu
N
Ph

O
t-BuO C N
CH₂ N
N
O
Ph
RN 5128-17 CAPLUS
CN 1-(2-oxo-1,3-heptanoido-1-yl)-
[alpha-(1,1-dimethylethoxy)carboxylamino]-
[phenyl-1,1-dimethylethyl ester], [2S-[2.alpha.,3.beta.]]-
[9CI] (CA INDEX NAME)

O
t-BuO C N
(CH₂)₃ C
N
O
Ph

L16 ANSWER #17 CAPLUS COPYRIGHT 2002 ACS
ACCESSION NUMBER 5128-17 CAPLUS
DOCUMENT NUMBER 5128-17
TITLE Oxidation of Schiff bases to oxaziridines by peroxy acids in various solvents
AUTHOR(S) Giam, R.; Clapp, Leallyn B.
CORPORATE SOURCE Chem. Soc., Providence, R. I., USA
SOURCE J. Chem. Soc. (1969), 91(22), 6078-83
CODEN JSCOA
DOCUMENT TYPE Journal
LANGUAGE English
AB Hammett plot of log k vs. log [acid] for the oxidation of N-phenyl-2-tert-butylloxaziridine by peroxybenzoic acid in various solvents. The activation parameters in one case, and a concerted mechanism pictured as the C-N bond of the Schiff base on the peroxy acid as catalyst was +0.22.
IT 3400-27-1P
25105-1P
25105-1P
RL: 31% Synthetic preparation, PREP (Preparation)
RN 3400-27-1P CAPLUS
CN Oxaziridine, 2-phenyl-, (+)-[9CI] (CA INDEX NAME)

Me
N
O
RN 25105-1P CAPLUS
CN Oxaziridine, 2-phenyl-, (+)-[9CI] (CA INDEX NAME)

LD6 ANSWER PAGE 19 CAPLUS Copyright 2002 ACS (Continued)

t BU

N

O

RN 21105-4 CAPLUS
CN Oxaziridine, 2-m-chlorobenzyl, 3-(p-nitrophenyl) (8CI) (CA INDEX NAME)

OH

N

RN 21105-4 CAPLUS
CN Oxaziridine, 2-m-chlorobenzyl, 3-(p-nitrophenyl) (8CI) (CA INDEX NAME)

OH

OH

N

O2N

RN 21105-4 CAPLUS
CN Oxaziridine, 2-m-chlorobenzyl, 3-(p-nitrophenyl) (8CI) (CA INDEX NAME)

LD6 ANSWER PAGE 19 CAPLUS Copyright 2002 ACS (Continued)

Me

OH

N

O

O2N

LD6 ANSWER PAGE 19 CAPLUS Copyright 2002 ACS (Continued)

O1

O2N

RN 21105-4
CN Oxaziridine, 2-m-chlorobenzyl, 3-(p-nitrophenyl) (8CI) (CA INDEX NAME)

O2N

RN 21105-4
CN Oxaziridine, 2-m-chlorobenzyl, 3-(p-nitrophenyl) (8CI) (CA INDEX NAME)

LD6 ANSWER PAGE 19 CAPLUS
ACCESSION NO.
DOCUMENT NO.
TITLE:
AUTHOR(S):
CORPORATE S
SOURCE

DOCUMENT TITLE
LANGUAGE:
HI For dia
AB Oxaziridine
IT 23898-5
23898-5
23898-6
23898-6
R: S
8p
RN 23898
CN Oxaziridine
NAME)

N

O

RN 23898
CN Oxaziridine, 2-m-chlorobenzyl, 3-(p-nitrophenyl) (8CI) (CA INDEX NAME)

N

O

RN 23898
CN Oxaziridine, 2-m-chlorobenzyl, 3-(p-nitrophenyl) (8CI) (CA INDEX NAME)

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CAPLUS
Oxidiridines
by, Jyotirmoy; Truth, Price
State Univ., Denton, Tex., USA
em. (1969), 12, 961-2
MAR

CA Issue.
by oxidn. of the corresponding
O2OH.
56-8P
59-1P
62-6P
86-0P
PREP (Preparation)

11-2-cyclohexyl- (8CI) (CA INDEX NAME)

114 ANSWER 114 49 CAPLUS BRIGHT 2002 ACS Continued

N

Q1N

RN 1385- CAPLUS
CN Oxadiazine, 2-cyclohexyl-4-nitrophenyl- (8CI) (CA INDEX NAME)

RN 1385- CAPLUS
CN Oxadiazine, 2-cyclohexyl-4-nitrophenyl- (8CI) (CA INDEX NAME)

N

O

Q1N

RN 1385- CAPLUS
CN Oxadiazine, 3-(3-chlorophenyl)-2-(1,1-dimethylethyl)- (8CI) (CA INDEX NAME)

114 ANSWER 114 49 CAPLUS BRIGHT 2002 ACS Continued

t-Bu

N

O

RN 1385- CAPLUS
CN Oxadiazine, 3-(1,1-dimethylethyl)-4-nitrophenyl- (8CI) (CA INDEX NAME)

t-Bu

N

O

RN 1385- CAPLUS
CN Oxadiazine, 3-(4-nitrophenyl)-2-(1,1-dimethylethyl)- (8CI) (CA INDEX NAME)

t-Bu

N

O

O2N

RN 1385- CAPLUS
CN Oxadiazine, 3-(m-nitrophenyl)-2-(1,1-dimethylethyl)- (8CI) (CA INDEX NAME)

t-Bu

N

O

RN 1385- CAPLUS
CN Oxadiazine, 3-phenyl-2-(1,1-dimethylethyl)- (8CI) (CA INDEX NAME)

114 ANSWER 114 49 CAPLUS BRIGHT 2002 ACS Continued

Me

CH Et

N

O

RN 1385- CAPLUS
CN Oxadiazine, 1-(cyclohexyl)-3,4-dimethoxyphenyl- (8CI) (CA INDEX NAME)

N

O

Me

OMe

RN 1385- CAPLUS
CN Oxadiazine, 3-(3,4-dimethoxyphenyl)-2-(1,1-dimethylethyl)- (8CI) (CA INDEX NAME)

t-Bu

N

O

Me

OMe

114 ANSWER 114 49 CAPLUS BRIGHT 2002 ACS Continued

114 ANSWER 114 49 CAPLUS BRIGHT 2002 ACS Continued

114 ANSWER 114 49 CAPLUS BRIGHT 2002 ACS Continued

114 ANSWER 114 49 CAPLUS BRIGHT 2002 ACS Continued

114 ANSWER 114 49 CAPLUS BRIGHT 2002 ACS Continued

114 ANSWER 114 49 CAPLUS BRIGHT 2002 ACS Continued

114 ANSWER 114 49 CAPLUS BRIGHT 2002 ACS Continued

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114 ANSWER 114 49 CAPLUS BRIGHT 2002 ACS Continued

114 ANSWER 114 49 CAPLUS BRIGHT 2002 ACS Continued

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114 ANSWER 114 49 CAPLUS BRIGHT 2002 ACS Continued

114 ANSWER 114 49 CAPLUS BRIGHT 2002 ACS Continued

114 ANSWER 114 49 CAPLUS BRIGHT 2002 ACS Continued

114 ANSWER 114 49 CAPLUS BRIGHT 2002 ACS Continued

114 ANSWER 114 49 CAPLUS BRIGHT 2002 ACS Continued

114 ANSWER 114 49 CAPLUS BRIGHT 2002 ACS Continued

114 ANSWER 114 49 CAPLUS BRIGHT 2002 ACS Continued

114 ANSWER 114 49 CAPLUS BRIGHT 2002 ACS Continued

114 ANSWER 114 49 CAPLUS BRIGHT 2002 ACS Continued

114 ANSWER 114 49 CAPLUS BRIGHT 2002 ACS Continued

114 ANSWER 114 49 CAPLUS BRIGHT 2002 ACS Continued

114 ANSWER 114 49 CAPLUS BRIGHT 2002 ACS Continued

114 ANSWER 114 49 CAPLUS BRIGHT 2002 ACS Continued

114 ANSWER 114 49 CAPLUS BRIGHT 2002 ACS Continued

114 ANSWER 114 49 CAPLUS BRIGHT 2002 ACS Continued

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114 ANSWER 114 49 CAPLUS BRIGHT 2002 ACS Continued

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114 ANSWER 114 49 CAPLUS BRIGHT 2002 ACS Continued

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114 ANSWER 114 49 CAPLUS BRIGHT 2002 ACS Continued

114 ANSWER 114 49 CAPLUS BRIGHT 2002 ACS Continued

114 ANSWER 114 49 CAPLUS BRIGHT 2002 ACS Continued

114 ANSWER 114 49 CAPLUS BRIGHT 2002 ACS Continued

BRIGHT 2002 ACS

49 CAPLUS

of cumulated double bond compounds.

of diphenylketene with oxaziranes
Foshiki, Minami, Toru, Yasuda.

Shio
W. Suita, Japan
in Lett (1984), (4), 263-5
RAY

CA Issue
Pure with PhCO2OH gave the
Ph, Et: R1 = H, H, H, Me, Me; R2 =

4-6.degree./9 mm., 90.degree./1.5

170.4 mm., and 76.degree./60 mm. in

yielding 7, 94, 90, 84, and 74

stirred in C6H6 with addn. of I at
ketone or aldehyde (RR1C=O) and the
matog. over Al2O3 gave

oxazirane, R2, yield VII, and m.p.

III, Bu, 5), 125-6.degree.; IV,

5-6.degree. VI, Bu, 38,

ed by gas liquid chromatog. and ir

m/e 459 M+, 402, 332, .nu.

9.3. Elemental analyses for VII

oxazirane N atom attacks the center C

on of an alpha-lactam by release

reaction of the alpha-lactam with
alpha-lactam was too unstable for

2P
PREP (Preparation).

(6CI, 7CI, 8CI, 9CI) (CA INDEX NAME)

*E KLAUSENER ALEXANDER/AU 15
 E1 1 KLAUSEN ULLA/AU
 E2 1 KLAUSENER A/AU
 E3 111 --> KLAUSENER ALEXANDER/AU
 E4 1 KLAUSENER FRAN. ISKA/AU
 E5 1 KLAUSENER GEORGES AU
 E6 1 KLAUSENER P. AU
 E7 1 KLAUSENER PETEA/AU
 E8 1 KLAUSEF A/AU
 E9 1 KLAUSEF A G/AU
 E10 1 KLAUSEF ANDREAS G/AU
 E11 4 KLAUSEF D K/AU
 E12 1 KLAUSEF GERNOT AU
 E13 1 KLAUSEF H E/AU
 E14 1 KLAUSEF G/AU
 E15 14 KLAUSEF F/AU
 E16 1 KLAUSEF F J/AU
 E17 1 KLAUSEF F M/AU
 E18 14 KLAUSEF FAINEF/AU
 E19 1 KLAUSEF FAINEF J/AU
 E20 1 KLAUSEF FAINEF JOSEF/AU
 E21 1 KLAUSEF BENACE AU
 E22 2 KLAUSEF RUTH/AU
 E23 7 KLAUSEF S/AU
 E24 1 KLAUSEF S J/AU
 E25 14 KLAUSEF STEFAN AU

=> S (E2 OR E3) AND (AZIRID?)

1 "KLAUSENER A"/AU
 11 "KLAUSENER ALEXANDER"/AU
 1978- AZIRID

L27 1 ("KLAUSENER A"/AU OF "KLAUSENER ALEXANDER"/AU) AND (AZIRID?)

=> S (E2 OR E3) AND (OXA?)

1 "KLAUSENER A"/AU
 11 "KLAUSENER ALEXANDER"/AU
 19113- OXA?

L28 1 ("KLAUSENER A"/AU OF "KLAUSENER ALEXANDER"/AU) AND (OXA?)

=> d 128 1-6 ibib abs hitstr

[illegible]

| PATENT NO. | FINI. | DATE | APPLICATION NO. | DATE |
|------------|-------|-----------|-----------------|-----------|
| EP 1044 | A. | 1944-10-6 | EP 1043-10-44 | 1943-10-7 |
| EP 1045 | B. | 1944-10-6 | | |
| EP 1046 | TR | 1944-10-6 | EP 1047 | 1944-10-6 |
| EP 1048 | A. | 1944-10-6 | EP 1049 | 1944-10-6 |
| EP 1050 | A. | 1944-10-6 | EP 1051 | 1944-10-6 |
| EP 1052 | A. | 1944-10-6 | EP 1053 | 1944-10-6 |
| EP 1054 | A. | 1944-10-6 | EP 1055 | 1944-10-6 |
| EP 1056 | A. | 1944-10-6 | EP 1057 | 1944-10-6 |
| EP 1058 | A. | 1944-10-6 | EP 1059 | 1944-10-6 |
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| EP 1062 | A. | 1944-10-6 | EP 1063 | 1944-10-6 |
| EP 1064 | A. | 1944-10-6 | EP 1065 | 1944-10-6 |
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| EP 1070 | A. | 1944-10-6 | EP 1071 | 1944-10-6 |
| EP 1072 | A. | 1944-10-6 | EP 1073 | 1944-10-6 |
| EP 1074 | A. | 1944-10-6 | EP 1075 | 1944-10-6 |
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| EP 1084 | A. | 1944-10-6 | EP 1085 | 1944-10-6 |
| EP 1086 | A. | 1944-10-6 | EP 1087 | 1944-10-6 |
| EP 1088 | A. | 1944-10-6 | EP 1089 | 1944-10-6 |
| EP 1090 | A. | 1944-10-6 | EP 1091 | 1944-10-6 |
| EP 1092 | A. | 1944-10-6 | EP 1093 | 1944-10-6 |
| EP 1094 | A. | 1944-10-6 | EP 1095 | 1944-10-6 |
| EP 1096 | A. | 1944-10-6 | EP 1097 | 1944-10-6 |
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| EP 1102 | A. | 1944-10-6 | EP 1103 | 1944-10-6 |
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| EP 1106 | A. | 1944-10-6 | EP 1107 | 1944-10-6 |
| EP 1108 | A. | 1944-10-6 | EP 1109 | 1944-10-6 |
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| EP 1112 | A. | 1944-10-6 | EP 1113 | 1944-10-6 |
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| EP 1116 | A. | 1944-10-6 | EP 1117 | 1944-10-6 |
| EP 1118 | A. | 1944-10-6 | EP 1119 | 1944-10-6 |
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| EP 1122 | A. | 1944-10-6 | EP 1123 | 1944-10-6 |
| EP 1124 | A. | 1944-10-6 | EP 1125 | 1944-10-6 |
| EP 1126 | A. | 1944-10-6 | EP 1127 | 1944-10-6 |
| EP 1128 | A. | 1944-10-6 | EP 1129 | 1944-10-6 |
| EP 1130 | A. | 1944-10-6 | EP 1131 | 1944-10-6 |
| EP 1132 | A. | 1944-10-6 | EP 1133 | 1944-10-6 |
| EP 1134 | A. | 1944-10-6 | EP 1135 | 1944-10-6 |
| EP 1136 | A. | 1944-10-6 | EP 1137 | 1944-10-6 |
| EP 1138 | A. | 1944-10-6 | EP 1139 | 1944-10-6 |
| EP 1140 | A. | 1944-10-6 | EP 1141 | 1944-10-6 |
| EP 1142 | A. | 1944-10-6 | EP 1143 | 1944-10-6 |
| EP 1144 | A. | 1944-10-6 | EP 1145 | 1944-10-6 |
| EP 1146 | A. | 1944-10-6 | EP 1147 | 1944-10-6 |
| EP 1148 | A. | 1944-10-6 | EP 1149 | 1944-10-6 |
| EP 1150 | A. | 1944-10-6 | EP 1151 | 1944-10-6 |
| EP 1152 | A. | 1944-10-6 | EP 1153 | 1944-10-6 |
| EP 1154 | A. | 1944-10-6 | EP 1155 | 1944-10-6 |
| EP 1156 | A. | 1944-10-6 | EP 1157 | 1944-10-6 |
| EP 1158 | A. | 1944-10-6 | EP 1159 | 1944-10-6 |
| EP 1160 | A. | 1944-10-6 | EP 1161 | 1944-10-6 |
| EP 1162 | A. | 1 | | |

| PATENT NO. | FIND. DATE | APPLICATION NO. | DATE |
|--------------|--------------------------------|-----------------|-----------|
| DE 4,209,44 | A1: 1992.1.2 | DE 4,209,44 | 1992.12.3 |
| EP 464,467 | A1: 1992.1.2 | EP 464,467 | 1992.12.3 |
| EP 464,468 | A1: 1992.1.2 | | |
| EP 464,469 | B1: 1994.1.2 | | |
| US 5,187,781 | EN, CH, DE, FR, GB, IT, JP, NL | | |
| US 5,187,782 | A1: 1993.4.1 | US 5,187,782 | 1993.12.1 |
| US 5,213,343 | A1: 1993.4.1 | US 5,213,343 | 1993.12.1 |
| CA 2,059,474 | A1: 1993.1.2 | CA 2,059,474 | 1993.12.3 |
| EP 0,474,467 | DE 1993.4.1 | | 1993.12.3 |

EP 0,474,467 INFO: DE 1993.4.1
 OTHER SOURCES: CASREACT 116:126201; MAPPAT 116:126201
 AB: The prepn. of dialkyl carbonates by the reaction of CO with alkyl nitrites
 in the presence of supported platinum-metal catalysts in lower
 alcoh. is
 claimed. Thus, reaction of CO with Me nitrite in the presence of
 Pd-AcO₃-B in MeOH under H₂ gave 1,3- di-Me carbonate along with
 1,1- Me oxalate.

= E LANGER FEINHARD/AU 25

| | | |
|----|--------|-------------------------|
| E1 | 1 | LANGER RAVEL/AU |
| E1 | 11 | LANGER FEBECCA C/AU |
| E1 | 50 --> | LANGER FEINHARD/AU |
| E1 | 1 | LANGER FENATE/AU |
| E1 | 1 | LANGER RICHARD/AU |
| E1 | 1 | LANGER RICHARD B/AU |
| E1 | 5 | LANGER RICHARD M/AU |
| E1 | 512 | LANGER ROBERT/AU |
| E1 | 3 | LANGER ROBERT D/AU |
| E1 | 4 | LANGER ROBERT H/AU |
| E1 | 2 | LANGER ROBERT J/AU |
| E1 | 2 | LANGER ROBERT M/AU |
| E1 | 154 | LANGER ROBERT S/AU |
| E1 | 13 | LANGER ROBERT S JR/AU |
| E1 | 1 | LANGER ROBERT SAMUEL/AU |
| E1 | 1 | LANGER ROGER/AU |
| E1 | 1 | LANGER ROGER I/AU |
| E1 | 13 | LANGER ROGER L/AU |
| E1 | 1 | LANGER ROGER LEON/AU |
| E1 | 5 | LANGER ROLF/AU |
| E1 | 6 | LANGER ROSELORE/AU |
| E1 | 5 | LANGER RUDOLF/AU |
| E1 | 1 | LANGER RUDOLPH/AU |
| E1 | 1 | LANGER RUDOLPH E/AU |
| E1 | 1 | LANGER RUDIGER/AU |

= S (E3) AND (OKA?)

50 "LANGER REINHARD"/AU

191135 OKA?

L10 1 ("LANGER FEINHARD"/AU) AND (OKA?)

= S (E3) AND (OKA?)

50 "LANGER REINHARD"/AU

191135 OKA?

L30 1 ("LANGER FEINHARD"/AU) AND (OKA?)

= d 130 ibib abs hitstr

LSP ANSWER 1 OF 1 CAPLUS COPYRIGHT 2002 ACS
 REFERENCE NUMBER 200211446 CAPLUS
 DOCUMENT NUMBER 136112374
 TITLE Method for the preparation of 1-alkyl-3-
 aryl-oxaziridines and
 aryl-3-heteroaryl-oxaziridines
 by oxidation of aldimines with peracids in the
 presence of a base
 INVENTOR S Klausener, Alexander; Langer, Reinhard;
 Ratson, Stephan; Dockner, Michael
 PATENT ASSIGNEE(S) Bayer Aktiengesellschaft, Germany
 SOURCE: PCT Int. Appl., 22 pp.
 COUNTRY: PCT/DE
 DOCUMENT TYPE Patent
 LANGUAGE: German
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---------------|--|----------|-----------------|----------|
| WO 2002/04432 | A | 20020707 | WO 2001-EP7213 | 20010625 |
| WO 2002/04432 | AB, AC, AD, AE, AF, AG, AH, AI, AJ, AK, AL, AM, AN, AO, AP, AQ, AR, AS, AT, AU, AV, AW, AX, AY, AZ, BA, BB, BC, BD, BE, BF, BG, BH, BI, BJ, BK, BL, BM, BN, BO, BP, BQ, BR, BS, BT, BU, BV, BW, BX, BY, BZ, CA, CB, CC, CD, CE, CF, CG, CH, CI, CJ, CK, CL, CM, CN, CO, CP, CQ, CR, CS, CT, CU, CV, CW, CX, CY, CZ, DA, DB, DC, DD, DE, DF, DG, DH, DI, DJ, DK, DL, DM, DN, DO, DP, DQ, DR, DS, DT, DU, DV, DW, DX, DY, DZ, EA, EB, EC, ED, EE, EF, EG, EH, EI, EJ, EK, EL, EM, EN, EO, EP, EQ, ER, ES, ET, EU, EV, EW, EX, EY, EZ, FA, FB, FC, FD, FE, FF, FG, FH, FI, FJ, FK, FL, FM, FN, FO, FP, FQ, FR, FS, FT, FU, FV, FW, FX, FY, FZ, GA, GB, GC, GD, GE, GF, GH, GI, GJ, GK, GL, GM, GN, GO, GP, GQ, GR, GS, GT, GU, GV, GW, GX, GY, GZ, HA, HB, HC, HD, HE, HF, HG, HH, HI, HJ, HK, HL, HM, HN, HO, HP, HQ, HR, HS, HT, HU, HV, HW, HX, HY, HZ, IA, IB, IC, ID, IE, IF, IG, IH, II, IJ, IK, IL, IM, IN, IO, IP, IQ, IR, IS, IT, IU, IV, IW, IX, IY, IZ, JA, JB, JC, JD, JE, JF, JG, JH, JI, JJ, JK, JL, JM, JN, JO, JP, JQ, JR, JS, JT, JU, JV, JW, JX, JY, JZ, KA, KB, KC, KD, KE, KF, KG, KH, KI, KJ, KK, KL, KM, KN, KO, KP, KQ, KR, KS, KT, KU, KV, KW, KX, KY, KZ, LA, LB, LC, LD, LE, LF, LG, LH, LI, LJ, LK, LL, LM, LN, LO, LP, LQ, LR, LS, LT, LU, LV, LW, LX, LY, LZ, MA, MB, MC, MD, ME, MF, MG, MH, MI, MJ, MK, ML, MN, MO, MP, MQ, MR, MS, MT, MU, MV, MW, MX, MY, MZ, NA, NB, NC, ND, NE, NF, NG, NH, NI, NJ, NK, NL, NM, NN, NO, NP, NQ, NR, NS, NT, NU, NV, NW, NX, NY, NZ, OA, OB, OC, OD, OE, OF, OG, OH, OI, OJ, OK, OL, OM, ON, OO, OP, OQ, OR, OS, OT, OU, OV, OW, OX, OY, OZ, PA, PB, PC, PD, PE, PF, PG, PH, PI, PJ, PK, PL, PM, PN, PO, PP, PQ, PR, PS, PT, PU, PV, PW, PX, PY, PZ, QA, QB, QC, QD, QE, QF, QG, QH, QI, QJ, QK, QL, QM, QN, QO, QP, QQ, QR, QS, QT, QU, QV, QW, QX, QY, QZ, RA, RB, RC, RD, RE, RF, RG, RH, RI, RJ, RK, RL, RM, RN, RO, RP, RQ, RR, RS, RT, RU, RV, RW, RX, RY, RZ, SA, SB, SC, SD, SE, SF, SG, SH, SI, SJ, SK, SL, SM, SN, SO, SP, SQ, SR, SS, ST, SU, SV, SW, SX, SY, SZ, TA, TB, TC, TD, TE, TF, TG, TH, TI, TJ, TK, TL, TM, TN, TO, TP, TQ, TR, TS, TT, TU, TV, TW, TX, TY, TZ, UA, UB, UC, UD, UE, UF, UG, UH, UI, UJ, UK, UL, UM, UN, UO, UP, UQ, UR, US, UT, UV, UW, UX, UY, UZ, VA, VB, VC, VD, VE, VF, VG, VH, VI, VJ, VK, VL, VM, VN, VO, VP, VQ, VR, VS, VT, VU, VV, VW, VX, VY, VZ, WA, WB, WC, WD, WE, WF, WG, WH, WI, WJ, WK, WL, WM, WN, WO, WP, WQ, WR, WS, WT, WU, WV, WW, WX, WY, WZ, XA, XB, XC, XD, XE, XF, XG, XH, XI, XJ, XK, XL, XM, XN, XO, XP, XQ, XR, XS, XT, XU, XV, XW, XX, XY, XZ, YA, YB, YC, YD, YE, YF, YG, YH, YI, YJ, YK, YL, YM, YN, YO, YP, YQ, YR, YS, YT, YU, YV, YW, YX, YY, YZ, ZA, ZB, ZC, ZD, ZE, ZF, ZG, ZH, ZI, ZJ, ZK, ZL, ZM, ZN, ZO, ZP, ZQ, ZR, ZS, ZT, ZU, ZV, ZW, ZX, ZY, ZZ | | | |

DE 10033079 A1 20020717 CE 2000-10033079 20000707
 US 200211339 A1 20020815 US 2001-894421 20010705
 PRIORITY APPL. INFO.: DE 2000-10033079 A 20000707
 OTHER SOURCE(S): CASREACT 136:102374; NARPAT 136:102374
 G1

O RI
 N C RI
 S

AB Oxaziridines (I), 3-substituted, C₁-12 aryl, heteroaryl; R¹-R³
 3-substituted, branched C₁-12 alkyl, C₃-8 cycloalkyl, C₂-10
 heteroaryl.
 Of I, R¹, R² were derived by oxidn. of the corresponding aldimine
 with peracids in the presence of a base and R³ as above with an atom, peracid or a salt

LSP ANSWER 1 OF 1 CAPLUS COPYRIGHT 2002 ACS Continued
 thereof in the presence of a water-sol. base or solvent at
 20.degree.
 Thus, 2-propyl 4-nitrobenzaldehyde in MeOH was treated dropwise
 with 10 wt. % Na2CO3 at 18-22.degree., followed by addn. of 20 wt. %
 magnesium monoperoxyphthalic acid hexahydrate and stirring for 5 h. at
 20-25.degree.,
 to give 98% 2-propyl-3-(4-nitrophenyl)oxaziridine. The
 disclosed method is economical, safe to operate, and can be
 carried out on
 an industrial scale.
 REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE
 FOR THIS
 RECORD. ALL CITATIONS AVAILABLE IN THE
 RE FORMAT

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= E FATSCH STEPHAN/AU 25
E1      2      FATSCH R/AU
E2      1      FATSCH SARAH B/AU
E3      1 --> FATSCH STEPHAN/AU
E4      2      FATSCH U/AU
E5      1      FATSCH WILLIAM C/AU
E6      1      FATSCHAN WALTER C/AU
E7      1      FATSCHAT GUENTHER/AU
E8      3      FATSCHBACHER L/AU
E9      8      FATSCHBACHER LOTHAR/AU
E10     1      FATSCHKE C/AU
E11     4      FATSCHKE M/AU
E12     9      FATSCHKE MANFRED AU
E13     1      FATSCHKEV H/AU
E14     2      FATSCHILLER D/AU
E15     4      FATSCHKO D/AU
E16     1      FATSCHKO DIKK/AU
E17     1      FATSCHKO K W/AU
E18     1      FATSCHKO M/AU
E19     17     FATSCHOW M/AU
E20     1      FATSCHOW MAX/AU
E21     1      FATSCHOW R/AU
E22     5      FATSCHOW S/AU
E23     1      FATSEEV A F/AU
E24     13     FATSEEV S A/AU
E25     5      FATSEK J C/AU

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= - d e3

'E3' IS NOT A VALID FORMAT FOR FILE 'CAPLUS'

The following are valid formats:

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ABS ----- GI and AB
ALL ----- BIB, AB, IND, RE
APPS ----- AI, PRAI
BIB ----- AN, plus Bibliographic Data and PI table (default)
CAN ----- List of CA abstract numbers without answer numbers
CBIB ----- AN, plus Compressed Bibliographic Data
DALL ----- ALL, delimited (end of each field identified)
DMAX ----- MAX, delimited for post-processing
FAM ----- AN, FI and PRAI in table, plus Patent Family data
FBIB ----- AN, BIB, plus Patent FAM
IND ----- Indexing data
IPC ----- International Patent Classifications
MAX ----- ALL, plus Patent FAM, RE
PATS ----- PI, SO
SAM ----- CC, SK, TI, ST, IT
SCAN ----- CC, SK, TI, ST, IT (random display, no answer numbers;
              SCAN must be entered on the same line as the DISPLAY,
              e.g., D SCAN or DISPLAY SCAN)
STL ----- BIB, IPC, and NCL

IABS ----- ABS, indented with text labels
IALL ----- ALL, indented with text labels
IBIB ----- BIB, indented with text labels

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=> E DOCKNER MICHAEL/AU 25
E1      1      DOCKKO GO JEONG/AU
E2      1      DOCKKO S/AU
E3      9 --> DOCKNER MICHAEL/AU
E4      1      DOCKNER T/AU
E5      135     DOCKNER TOM/AU
E6      1      DOCKNEY MICHAEL L/AU
E7      1      DOCKFAY CHARLES J/AU
E8      1      DOCKFAY EDWARD/AU
E9      1      DOCKFAY G AU
E10     214     DOCKFAY G J AU
E11     1      DOCKFAY GEORGE H/AU
E12     4      DOCKFAY GRAHAM/AU
E13     72     DOCKFAY GRAHAM J/AU
E14     1      DOCKFAY HARRY J/AU
E15     4      DOCKFAY J J/AU
E16     1      DOCKFAY JACQUELINE J/AU
E17     1      DOCKFAY JOHN LINDSAY/AU
E18     1      DOCKFAY M/AU
E19     13     DOCKFAY THOMAS/AU
E20     1      DOCKFAY TOM/AU
E21     1      DOCKFEE C/AU
E22     1      DOCKFEE CHRISTOPHER N/AU
E23     1      DOCKFELL ALICE W/AU
E24     1      DOCKFELL D H/AU
E25     1      DOCKFELL DAVID/AU

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=> S (E3)

L31 9 ("DOCKNER MICHAEL"/AU)

=> d 131 1-9 ibib abs hitstr

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|----------------|------|------------|-------------------|------------|
| US 2,117,445 | A. | 1938-10-11 | US 2,002,941-A | 1932-08-10 |
| IE 2,141,771 | A. | 1971-11-11 | IE 2,141,771-A | 1971-02-24 |
| IE 2,141,771-A | A | 1971-11-11 | DE 2,001,101-78-A | 1978-01-01 |
| IE 2,141,771-A | A | 1971-11-11 | DE 2,001,101-78-A | 1978-01-01 |

PRIORITY CLAIMING INFORMATION

Reference is made to the following prior art:

Polynalogenated dicinnamic acids and cinnamic acid derivatives are prepared by reacting diacids accessible from polynalogenated dicarboxylic acids with cinnamic acid derivatives in the presence of a palladium-containing catalyst at about 5 to about 1000 degree C. to form the cinnamic acid derivatives obtainable in this way.

are novel cinnamic acids and cinnamic acid derivatives which can be prepared according to the invention can be used for the preparation of intermediates which are precursors for agro- and pharmaceutical compounds, for example having liquid crystalline properties.

[illegible]

Ab: Nitrogen substituted hydroxylamines $R_1(R_2)(R_3)CHNCH_2$ ($R_1, R_2, R_3 = H$,
unbranched alkyl, unbranched α -ketyl, cycloalkyl, aryl) or
their hydroxyl- acid salts (e.g., N-tert-butyl-hydroxylammonium
chloride, H₂O)
prep'd. in high and selectivity from nitrogen substituted aryl- or
heteroaryloxaziridines (I; X = aryl, heteroaryl; e.g.,
tert-butyl-phenyloxaziridines) by acid hydrolysis using
10-20% aq. of acid (e.g., 5N sulfuric acid) in a water miscible
solvent
(e.g., hexanol) followed by neutralization (e.g., aq. NaOH) and
optional salification (e.g., an. AcOH).

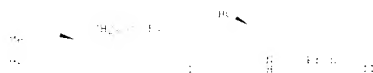
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PATENT NO.      KING DATE      APPLICATION NO. DATE
WO 2002004432  A1  2002-01-19  WO 2 001-084717  2001-07-09
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BH, BI, BO, BR,
CH, CN,      CR, CU, CY, DE, EE, EG, ES, FI, GB, GR, SE, SI,
HU, IL,      IN, JP, KR, LS, LU, MC, NL, NO, NZ, PL, PT,
IT,          LU, LV, MA, MD, MG, MN, MM, MW, ME, MZ, NG, NI,
FO, PD,      PE, PG, PH, RU, SA, SG, SI, ES, PL, TJ, TR, TW,
US, UA,      UA, VE, VN, YU, ZA, ZY, BG, GR, HU, IL, IT, TM
RW, GB, GM, HE, FI, MW, MD, SE, SI, SE, ZI, UG, UZ, AT, BE,
TH, CY,      DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NI, PT, SE,
TR, BE,      BD, BF, BG, CI, CM, GA, GN, GW, ML, MF, NE, NG, TG,
TG, ZI, 3375  A1  2002-01-19  IE 2 001-084717  2001-07-09
US 2 0011339  A1  2002-01-19  US 2 001-864401  2001-06-06
PRIORITY APPLN. INFO.  IE 2001-004397A  2001-04-17
(OTHER SOURCE(S):      C/SIRECT 1901023747 MAPAT 1901023747

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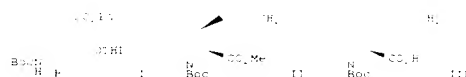
AR: Oxarimidines (1), X = (substituted) Cl (2), aryl, heteroaryl; R1 = H (3),
 H, (substituted) phenyl; R2 = alkyl, C₆-cycloalkyl, C₂-C₆alkenyl,
 C₂-C₆alkynyl.

121. ANSWER 5 OF 9 CAPLUS COPYRIGHT 1991 ACS
 ADDITION NUMBER: 121144111
 DOCUMENT NUMBER: 121144111
 TITLE: Enantioselective synthesis of 2,5-disubstituted pyrrolidine derivatives. Synthesis of 2,5-pseudocatharine
 AUTHOR(S): Dockner, Michael; Sasaki, N. Andre; Picher, Claude; Potier, Pierre
 CORPORATE SOURCE: Institut Chimie Substances Naturelles,
 F-91190, Evry, France
 SOURCE: Heterocycles, 1994, 42(12), 549-562
 PUBLISHER: Heterocycles, 1994, 42(12), 549-562
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 OTHER SOURCE S: CASREACT 121144111
 GI



AB A novel methodology for the synthesis of any of the 4 stereoisomers of a 2,5-disubstituted pyrrolidine in optically pure form is described starting from readily available chiral building blocks, 3-hydroxy-2-phenylpropanoic acid (CH3C(O)CH2CH(Ph)COOH) and glycerol deriv. 1 or their antipodes. The utility of this approach is demonstrated in the total synthesis of 2,5-pseudocatharine (antidote.HCl, 11) (antidote.HCl), the structure of which was confirmed by x-ray anal.

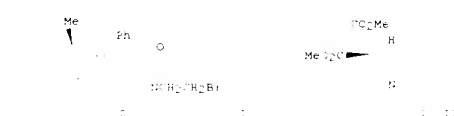
121. ANSWER 7 OF 9 CAPLUS COPYRIGHT 1991 ACS
 ADDITION NUMBER: 121144111
 DOCUMENT NUMBER: 121144111
 TITLE: A Novel Stereodivergent Synthesis of 2,5-Disubstituted Pyrrolidines
 AUTHOR(S): Sasaki, N. Andre; Dockner, Michael; Charbon, Ange et Picher, Claude; Potier, Pierre
 CORPORATE SOURCE: Institut de Chimie des Substances Naturelles,
 91190 Evry, France
 SOURCE: Journal of Organic Chemistry, 1994, 59(1), 1-11
 PUBLISHER: American Chemical Society
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 OTHER SOURCE S: CASREACT 121144111
 GI



AB A new and efficient stereodivergent method for the prepn. of optically pure cis- and trans-2,5-disubstituted pyrrolidine derivs. is described. The stereodivergency is effected simply by reversing the order of double alkylation of the chiral synthon 1. One-step pyrrolidine formation starting from 1 and 2-bromomethyl 1 triflate followed by alkylation of the sulfonate anion leads to the optically pure (2S,5S)-cis-2,5-disubstituted pyrrolidine 11 as a major diastereomer in 7 steps. Contrary to this, when 1 is alkylated first, then followed by heterocycle formation by treatment with 2-bromomethyl triflate, the optically pure (2R,5R)-trans-2,5-disubstituted pyrrolidine 11 is obtained as a single diastereomer in 5 steps. This sequence provides an efficient entry into enantiomerically and diastereomerically pure cis- and trans-2,5-disubstituted pyrrolidines which are considered as conformationally constrained alpha-amino acids.

121. ANSWER 5 OF 9 CAPLUS COPYRIGHT 1991 ACS
 ADDITION NUMBER: 121144111
 DOCUMENT NUMBER: 121144111
 TITLE: Versatile synthesis of enantiomerically pure trans-2,5-disubstituted pyrrolidines
 AUTHOR(S): Dockner, Michael; Sasaki, N. Andre; Potier, Pierre
 CORPORATE SOURCE: Inst. Chim. Substances Naturelles, CNRS,
 91190 Evry, France
 SOURCE: Heterocycles, 1994, 42(12), 549-562
 PUBLISHER: Heterocycles, 1994, 42(12), 549-562
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 OTHER SOURCE S: CASREACT 121144111
 AB Enantiomerically pure trans-2,5-disubstituted pyrrolidine was synthesized starting from the versatile chiral synthon (R)-PhSO2CH2CH(NHBoc)CH2CH2Ph and chiral 2,3-O-isopropylidene glycerol triflate.

121. ANSWER 5 OF 9 CAPLUS COPYRIGHT 1991 ACS
 ADDITION NUMBER: 121144111
 DOCUMENT NUMBER: 121144111
 TITLE: Enantiopure indolizidones and pyrrolizidones from maleic imide
 AUTHOR(S): Dockner, Michael; Meyer, Thorsten; Nemes, Peter; Otten, Martina S.; Winterfeldt, Ekkehard
 CORPORATE SOURCE: Inst. Organ. Chem., Univ. Hannover, Hannover,
 Germany
 SOURCE: Bulletin des Societes Chimiques Belges (1994), 103(7-8), 174-177
 PUBLISHER: Societe Chimique Belges
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 OTHER SOURCE S: CASREACT 121144111
 GI



AB The alkylated maleic imide adducts of type I have been shown to undergo highly regioselective selective reducts. As with these compounds, regioselectivity in further transformations including a thermal retro-cyclization process translates directly into enantioselectivity, various techniques were applied. The advanced cycloadducts obtained led to the enantiopure alkaloid precursors, e.g. 11, in very high yield.